

A. TREDWAY AND SONS
HARDWARE CO.

Dubuque, Iowa

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MARCH 15, 1895.

...CATALOGUE...

OF

IRON, STEEL, WOOD STOCK,

Heavy Hardware, Etc.

*A. Tredway & Sons
Hardware Co.*

DEALERS IN

BLACKSMITHS', HORSESHOERS', WAGONMAKERS' AND WOODWORKERS'
TOOLS AND SUPPLIES,

CARRIAGE *AND* WAGON HARDWARE,

MALLEABLE CASTINGS,

WAGON AND CARRIAGE WOODWORK,

Bob and Cutter Stuff, Plow Material and Hardwood Lumber,

465, 467, 469 and 471 Iowa St.,

DUBUQUE, = = IOWA.

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MARCH 15, 1895

...CATALOGUE...

IRON, STEEL, WOOD STOCK,

Heavy Hardware, Etc.

A. Tredway & Sons
Hardware Co.

Hardie & Scharle
Printers and Binders
Dubuque

BLACKSMITHS, HORSESHOERS, WAGONMAKERS, AND WOODWORKERS,
TOOLS AND SUPPLIES

CARRIAGE AND WAGON HARDWARE,

MALLEABLE CASTINGS

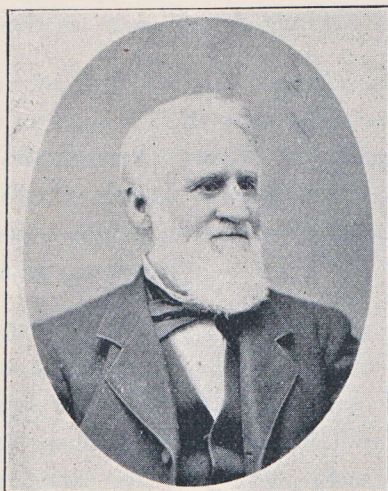
WAGON AND CARRIAGE WOODWORK,

Bob and Cutter Stump, Flow Material and Hardwood Lumber,

165, 167, 169 and 171 Iowa St.,

DUBUQUE, - - - IOWA.

TO THE TRADE.



ALFRED TREDWAY.

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ALFRED JESSELYN

TO THE TRADE.



The Prices given in this Catalogue are, so far as possible, Manufacturers' Standard Lists, and are subject to more or less Discount. The Catalogue is gotten up more as a help to our trade in knowing what goods we can furnish and as a guide in making up their orders, than an indication of our Prices.

We invite your inquiries at all times in regard to Prices, and if a memorandum of the Goods desired is enclosed, we can immediately return our lowest Prices. We issue no Discount Sheet applying to this Catalogue as, owing to frequent changes in the market value of such staple goods, no Discount could be printed which would be long in force.

To the Merchant Trade we desire to say that our large combined stock of the class of goods shown in this Catalogue, and of Shelf Hardware and Tinware, enables us to fill the many orders which arise including articles of both classes, at an advantage over any house in the West, thus saving them the unnecessary expense of having shipments from two or three jobbers instead of one.

Soliciting a continuance of the many favors shown us in the past, we are,

Respectfully Yours,

A. TREDWAY & SONS HARDWARE CO.

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CREDIT.

New customers, or those having no account with us, in order to avoid delay, will please accompany their order with a remittance to cover the probable amount; or, if credit is desired, send references and we will endeavor to arrange terms to your satisfaction.

TERMS.

All sales are made for cash. When credit is approved we allow 30 days' time on Iron, Horse Shoes and other heavy goods, and 60 days' time on Wood Stock, Tools and similar articles.

To encourage prompt payment, within 10 days from date of invoice we allow a cash discount of 1% on 30-day goods, and 2% on 60-day goods.

All accounts are due at our office and are payable in Dubuque, New York or Chicago current funds. We pay no exchange nor express charges on remittances.

CLAIMS.

Claims for errors must be made immediately upon receipt of goods. Give date on invoice upon which error occurs and we will give the matter immediate and cheerful attention.

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L
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O
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R
S
T
U
V
W
Y

INDEX.

A.		Page.
Anti-Rattlers, Famous.....	62	
“ “ Rubber	62	
Anvils	69-70	
Anvil Tools.....	107	
Aprons, Blacksmiths’	202	
Ash Lumber	198	
Ash Tongues	196	
Attachments and Plates, Neckyoke.....	45	
Auger Bits	129	
“ “ In Sets	130-131	
Augers, Hollow	132-133	
Axle Clips.....	58	
Axles, Hickory.....	196	
“ Steel	36	
Axle Washers, Leather.....	31	
B.		Page.
Back Saws	144	
Backs, Lazy	203	
Ball Pien Hammers.....	108	
Barb Wire.....	222	
Bar Clips, Spring	58	
Bars, Circular and Straight	189	
“ Wagon Sway	197	
Bastard Files	112	
Beader, Hand	168	
Beams, Block	199	
“ Cutter.....	198	
“ Knee	199	
“ Plow	200	
Bench Hooks	148	
“ Screws	169	
Bent Felloes	180-181-182	
Bellows, Blacksmiths’	77	
Belt Punches	119	
Benders, Tire	88-89	
Bevels	153	
Bit Braces	122-123-124	
Bits, Auger.....	129-130-131	
“ Drill	126-127	
“ Expansive.....	127	
“ Gimlet	126	
Bits, In Sets.....	130-131	
“ Twist Drill.....	126-127	
“ Screw Driver	128	
Blacksmiths’ Aprons	202	
“ Hammers 104-105 and 108 to 111	111	
“ Pincers	114	
“ Sledges	104	
“ Tongs	115	
“ Anvil Tools	107	
Blades, Felloe Web	145	
“ Hack Saw	145	
Blocks, Leveling	68	
“ Swage	68	
“ Tackle	218	
Blowers, Hand	78	
Boards, Sand, Bob	199	
Bob Gearing	199	
“ Runners	199	
“ Knees, Oscillating	39	
“ Shoes, Cast	39	
“ Sleighs	211	
“ Stuff	199	
“ “ High Bend Grocer.....	198	
Bodies, Buggy.....	201	
Body Loops	56	
Bolster Plates, Cast	43	
“ “ Wrought	40	
Bolsters, Bob	199	
“ Wagon	196	
Bolster Springs.....	38	
Bolt Clippers	116	
Bolts, Common Carriage.....	25	
“ King	55	
“ Lag	28	
“ Machine.....	26	
“ Plow	26	
“ Shaft	60	
“ Skein	28	
“ Sleigh Shoe.....	25	
“ Stove	27	
“ T Head Shaft.....	60	
“ Tire, Common.....	27	
“ Wagon Box Strap.....	40	
“ Whiffletree	60	

D.

	Page.
Dashes, Leather	202
Dies, Blacksmiths'	103
Dies and Collets, Lightning	100
“ “ Stocks, Blacksmiths'	101-102
“ “ Taps, Lightning	99-100
“ Taps and Holders	100
Dividers, Wing	157
Doubletrees, Buggy	193
“ Express	193
“ Wagon	193
“ “ Ironed	193
Draw Knives	135-136
Drill Braces	124
Drills, Bit Stock	126
Drills, Breast	125
“ Round Shank	127
“ Blacksmiths'	83-84-85-86-87
“ Machine Twist	127
“ Straight Shank Twist	127
“ Syracuse Twist	126
Driver Bits, Screw	128
Drivers, Screw	120-121
“ Ratchet	121
“ Spiral	121

E.

Emery, Flour and Powdered	174
“ Grinding Machines	96-97
“ Paper	174
“ Wheels	95
“ Wheel Stands	97
Eveners, Buggy	193
“ Express	193
“ Wagon	193
“ Wagon, Ironed	193
Extras, for Cutting Iron	18
Expansive Bits	127
Express Shafts	186
Extension Tops	207
Eyes, Cock	65
“ Pole	57
“ Shaft	57

F.

Farmer's Drawing Knives	135
Farriers' Hammers	110
“ Knives	111
“ Pincers	114
“ Searchers	111
“ Tools	110-111 and 113-114-115
Fasteners, Seat	62
Felloe Oilers	116
Felloe Plates, Steel	43

Page.

Felloes, Bent	180-181-182
“ Sawed	182
“ Truck	180
Fenders, Cutter	198
Ferrules and Hooks	44
Ferrules and Rings	45
Fifth Wheels	59
Files	112
Finished Tongues	196
Flanges on Patent Wheels	183
Flatters, Blacksmiths'	107
Flint Paper	174
Forges	78-79-80-81
Forks, Harpoon Hay	221
Fullers, Top and Bottom	107

G.

Galvanized Iron	213
Gauges, Butt	157
“ Clapboard	168
“ Marking	156-157
“ Mortise	156-157
“ Rabbet	157
“ Tire Measuring	116
Gearing, Bob	199
“ Wagon	197
Gimlet Bits	126
Glue	174
Grindstones	173

H.

Hack Saws	145
Hammers, Ball Pien	108
“ Blacksmiths' 104-105 and 108 to 111	111
“ Cat's Head	111
“ Drilling	105
“ Farriers' Driving	110
“ Hand	105-108-111
“ Heller's	104-110-111
“ Machinists'	108
“ Masons'	106
“ Plow	109
“ Riveting	109
“ Rounding	111
“ Set	107
“ Spalling	106
“ Striking	105
“ Turning	111
Hammer Straps	42
Hame Clips	64
“ Line Rings and Studs	64
“ Loops	64
“ Rivets	34 and 64
“ Staples	64

C
D
E
F
G
H
I
J
K
L
M
N
O
P
R
S
T
U
V
W
Y

	Page.
Loops, Body.....	56
Loops, Hame.....	64
Lumber, Hardwood.....	198

M.

Machine Bolts.....	26
“ Punches.....	119
Machines, Emery Grinding.....	96-97
Malleables.....	41
Mallets.....	140
Mandrels, Blacksmiths'.....	66-67
“ Circular Saw.....	141
Markers, Clapboard.....	168
Marking Gauges.....	156-157
Mill Files.....	112
Mitre Boxes.....	146
“ Saws.....	144
Mould Boards.....	52
Mule Shoes.....	50

N.

Nails, Cut Steel.....	21-22-23
“ Horse Shoe.....	51
“ Steel Wire.....	21-22-23-24
Nail Rods.....	19
Neckyoke Centers.....	195
“ Center Irons.....	45
Neckyokes, Buggy.....	194
“ Express.....	194
“ Finished.....	194-195
“ Ironed.....	194
“ Swivel.....	195
“ Wagon.....	194
Nippers, Cutting.....	115
“ Hoof.....	115
Nuts, Hexagon.....	29
“ Square.....	29
“ Tapped.....	30

O.

Oak Bolsters.....	196
“ Lumber.....	198
“ Reaches.....	197
Offsets.....	36
Oilers, Brass.....	171
“ Copperized Steel.....	171
“ Felloe.....	116
“ Mowing Machine.....	171
“ Pieced Round Tin.....	171
“ Steel.....	171
Oilstones.....	172

P.

	Page.
Pad Hooks.....	65
Pads, Step.....	61
Paint Brushes.....	175
Panel Saws.....	143
Paper, Emery.....	174
“ Sand.....	174
Parers, Hoof.....	115
Patent Wheels.....	184
Perch Plates.....	57
Pincers, Blacksmiths'.....	114
Plane Irons, Bailey's.....	161
Planes, Beading.....	166
“ Block.....	164-165
“ Chamfer.....	167
“ Circular.....	163
“ Filletster.....	166-167
“ Iron.....	163
“ Plow.....	166
“ Rabbet.....	165-166-167
“ Router.....	168
“ Steel.....	164
“ Wood, Adjustable.....	161-162
Planished Sheet Iron.....	212
Plates, Cast Bolster.....	43
“ Coupling.....	43
“ Felloe.....	43
“ Perch.....	57
“ Reach.....	43
“ Screw.....	98-99
“ Wrought Bolster.....	40
Plow Beams.....	200
“ Bolts.....	26
“ Hammers.....	109
“ Handles.....	200
“ Landsides.....	52
“ Lays.....	52
“ Points.....	52
“ Steel.....	20
Plumbs and Levels.....	159-160
Points, Plow.....	52
Pointers, Spoke.....	131
Pole Caps.....	42
“ Couplings.....	54
“ Eyes.....	57
Poles, Bent Buggy.....	188-189
“ Wagon.....	196
Poplar Lumber.....	198
Portland Cutters.....	209-210
Pulleys, Hay Fork.....	222
Punches, Blacksmiths'.....	107
“ Drive Belt.....	119
“ Machine.....	119
Punching Presses, Blacksmiths'.....	93-94

I
J
K
L
M
N
O
P
R
S
T
U
V
W
Y

R.		S.	
	Page.		Page.
Rasps, Cabinet	112	Saddle Clips.....	59
" Horse	113	Saddles, Bob.....	199
" Wood	112	Sand Paper	174
Ratchet Braces.....	122-123-124	" Boards, Bob	199
" Screw Drivers.....	120	Sarven Patent Wheels	184
Ratchets, Brake.....	42	Sawed Felloes.....	182
Rattlers, Anti.....	62	Saw Clamps.....	149-150
Raves, Bob	199	" Files	112
" Cutter	198	" Sets	147-148
Reach Plates, Cast	43	" Vises	149-150
Reaches, Bob.....	199	Saws, Back.....	144
" Wagon	197	" Compass.....	144
Reamers.....	128	" Circular.....	141
Rims, Agricultural.....	181-182	" Felloe	145
" Buggy or Carriage.....	181	" Hack	145
" Cultivator.....	181	" Hand and Rip.....	142-143
" Hickory	181	" Mitre Box	144
" Rake	182	" Panel	143
" Seeder.....	182	Screws, Brass.....	33
" Sulky	181	" Iron Bench.....	169
" Truck	180	" Jack	217
" Wagon, Bent.....	180	" Lag, Gimlet Point.....	28
" " Sawed	182	" Skein Bolt.....	28
" " " Finished	182	" Vise.....	71
Rings and Ferrules	45	" Wood	32
Rings and Studs, Line.....	64	Screw Drivers.....	120-121
Rip Saws	142-143	" Driver Bits	128
Rivet Clippers.....	116	" Plates	98-99
Riveting Burrs.....	30	Searchers, Farriers'.....	111
Riveting Hammers	109	Seat Fasteners.....	62
Rivets, Black	34	" Hooks, Wrought	42
" Box	28	Section Rivets.....	34
" Coopers'.....	34	Set Hammers, Blacksmiths'.....	107
" Hame.....	34 and 64	Sets, Off	56
" Section	34	" Saw	147-148
" Tinned	34	Shades, Sun	205
" Wagon	28	Shafts, Buggy.....	185-186
Roadster Shoes.....	40	" Cart	187
Rods, Nail.....	19	" Express	186
" Wagon Box.....	40	" Sulky	187
Rollers, Bob	199	Shaft Couplings.....	53
Roofing, Corrugated.....	214	" Cross Bars.....	189
Roofing, Roll and Cap.....	216	" Eyes	57
Rounding Hammers.....	111	Shafts, Counter.....	97
Rub Irons, Wrought.....	42	Shaves, Spoke	134
Rules, Boxwood.....	154-155	Shears, Bolt Cutting	116
Rules, Ivory.....	155	" Iron Cutting	92
Runners, Bob.....	199	Sheet Iron, Black.....	212
" Cutter	198	" " Galvanized	213
" Grocer Bob.....	198	Sheet Steel	212
		Shoes, Cast Bob	39
		" Horse	47-48-49
		" Mule	50
		" Roadster.....	49

	Page.		Page.
Shoes, Steel Cutter.....	20	Squares, Steel and Iron	151
“ Steel Horse.....	48-49	“ Mitre and Try	152
“ Snow	49	Stakes, Wagon	197
“ Trotting	49	Stands, Emery Machine	97
Shoe Rasps, Horse	113	Staples, Hame	64
Shovels, Cultivator.....	52	“ Wagon Box	34
Sickle Rivets	34	Stay Ends, Wrought	56
Singletrees, Buggy	191	Steel, Cast Tool, American.....	20
“ Express.....	191	“ “ “ English	20
“ Ironed	192	“ Corrugated Sheet.....	214
“ Plow	192	“ Machinery	20
“ “ Ironed	192	“ Plow	20
“ Sword End	191	“ Roofing	216
“ Wagon	191-192	“ Sheet	212
“ “ Ironed.....	192	“ Sleigh Shoe	20
Singletree Irons	44	“ Spring	20
Shrinkers, Tire	89-90-91-92	“ Tire	20
Shrinker and Punch Combined.....	90	“ Toe Calk	20
Siding, Steel Brick	215	Steel Axles	36
Skeins, Cast Thimble.....	36	“ Cutter Shoes, Shaped	20
“ Steel	35	“ Skeins	35
Skein Bolts	28	“ Squares	151
Sledges, Blacksmiths'	104	Step Pads, Wrought.....	61
“ Stone	104	Stocks and Dies	101-102
“ Turning	104	Stokes Bros.' Rasps.....	113
Sleighs, Bob	211	Stones, Oil	172
Sleighs and Cutters	208-209-210-211	“ Grind	173
Sleigh Shoe Bolts	25	Stops, Bench.....	148
“ Stuff, Bob	199	Stove Bolts	27
“ “ Cutter	198	Strap Bolts, Wagon Box.....	40
“ “ Grocer Bob.....	198	Straps, Hammer.....	42
Slides, Breast Strap	65	Striking Hammers.....	105
Slips, Oil Stone	172	Sulky Shafts	187
Smooth Files	112	Sun Shades	205
Snow Shoes	49	Swage Blocks, Blacksmiths'.....	68
Sockets, Whip	63	Swages, Top and Bottom.....	107
Spiral Washers	31	Sway Bars	197
Spoke Pointers.....	131	Swell Body Cutters	208
“ Shaves.....	134		
Spokes, Agricultural.....	179		
“ Club	179		
“ Oak	177-178		
“ Hickory	179		
“ Patent.....	179		
“ Sulky	179		
Spring Bar Clips	58		
Springs, Bolster.....	38		
“ Carriage	37		
“ Cross	37		
“ Half Platform.....	37		
“ Platform	37		
“ Rubber, Wagon.....	38		
“ Seat	37		
“ Side	37		
Square Nuts	29		

T.

Tables of Weights of Iron, Etc.....	223-224
Tackle Blocks.....	218
Taper Files.....	112
Tapped Nuts.....	30
Taps, Blacksmiths' Taper.....	103
“ and Dies, Lightning.....	99-100
“ Dies and Holders, Lightning.....	100
T Bevels.....	153
Teeth, Harrow	46
Ties, Axle Clip.....	55
Tire Benders.....	88-89
“ Bolts	27
“ Gauges	116
“ Shrinkers	89-90-91-92
“ Steel	20

R
S
T
U
V
W
Y

	Page.		Page.
Toe Calks	51	Wagon Box Staples	34
Toe Calk, Steel	20	“ “ Straps	40
Tongs, Blacksmith	113	“ Brake Locks	41
“ Clinch	115	“ “ Ratchets	42
Tongue Caps, Wagon	42	“ Gearing	197
Tongues, Wagon	196	“ Knives	136
Tools, Anvil	107	“ Skeins	35-36
“ Haying	219-220-221-222	Washers, Leather Axle	31
“ Heading	107	“ Wrought	30
Top Box Iron	17	Weights of Iron, etc.	223-224
Top Fullers	107	Welding Compound	174
Top Swages	107	Wheels, Emery and Corundum	95
Tops, Buggy	206-207	“ Fifth	59
Tops, Extension	207	“ Sarven	184
Track, Steel Hay Carrier	219	“ Shell Band	184
Trees, Double	193	“ Tire Measuring	116
Trees, Single	191-192	Whiffletree Hooks, Patent	63
Try and Mitre Squares	152	Whiffletrees, Buggy	191
Turning Hammer	111	“ Express	191
Tuyer Irons	82	“ Plow	192
Twist Drills, Bit Stock	126	“ Wagon	191-192
“ “ Round Shank	127	Whip Sockets	63
		Whitewood Lumber	198
U.		Wing Calipers	158
Upsetters, Tire	89-90-91-92	Wing Dividers	157
		Wire, Barb Fence	222
V.		Wood Files and Rasps	112
Varnish Brushes	175	Wrenches, Acme	117
Vises, Blacksmiths' Solid Box	71	“ Agricultural	117
“ Cabinetmakers'	73	“ Alligator	118
“ Coach	72-76	“ Always Ready	118
“ Combined Anvil and	73	“ Coe's	117
“ Machinists'	72-74-75	“ Combination	118
“ Saw	149-150	“ Engineer's	117
“ Woodworkers'	72-76		
Vise Screws	71	Y.	
W.		Yokes, Axle Clip	55
Wagon Axle Clips	58	“ Neck, Buggy	194
“ Bows	190	“ “ Express	194
“ Box Iron	17	“ “ Finished	194-195
“ “ Rivets	28	“ “ Ironed	194
“ “ Rods	40	“ “ Swivel	195
		Yoke and Brace, King Bolt	55

STANDARD IRON LIST.

FLAT BAR.

	Extras to be added to Rate. Base.
$1\frac{1}{2}$ to $4 \times \frac{3}{8}$ to 1 inch.....	
$4\frac{1}{4}$ to $6 \times \frac{3}{8}$ to 1 inch.....	0.10
$1\frac{3}{4}$ to $6 \times 1\frac{1}{8}$ to $1\frac{1}{2}$ inch.....	0.40
7 to $8 \times \frac{3}{8}$ to 1 inch.....	0.80
$2\frac{1}{4}$ to $8 \times 1\frac{3}{4}$ to 2 inch.....	1.00
$1\frac{1}{4}$ and $1\frac{3}{8} \times \frac{3}{8}$ to $\frac{3}{4}$ inch.....	0.10
1 and $1\frac{1}{8} \times \frac{3}{8}$ to $\frac{3}{4}$ inch.....	0.20
$\frac{5}{8}, \frac{3}{4}$ and $\frac{7}{8} \times \frac{3}{8}$ to $\frac{5}{8}$ inch.....	0.40

ROUND AND SQUARE.

	Base.
1 to $1\frac{7}{8}$ inch.....	
2 to $2\frac{5}{8}$ inch.....	0.20
$2\frac{3}{4}$ to $3\frac{1}{4}$ inch.....	0.50
$3\frac{3}{8}$ to 4 inch.....	1.00
$4\frac{1}{4}$ to 5 inch.....	1.30
$\frac{3}{4}$ and $\frac{7}{8}$ inch.....	0.10
$\frac{5}{8}$ and $1\frac{9}{16}$ inch.....	0.20
$\frac{1}{2}$ and $1\frac{7}{16}$ inch.....	0.40
$\frac{3}{8}$ inch.....	0.60
$1\frac{5}{16}$ inch.....	0.80
$\frac{1}{4}$ inch.....	1.00
$1\frac{3}{16}$ inch.....	3.00

OVAL.

$\frac{7}{8}$ to $1\frac{1}{2}$ inch.....	0.40
$\frac{5}{8}$ to $\frac{3}{4}$ inch.....	0.60
$\frac{1}{2}$ inch.....	0.80
$\frac{3}{8}$ inch.....	1.20

HALF OVAL AND HALF ROUND.

$\frac{7}{8}$ to $1\frac{1}{4}$ inch.....	0.70
$\frac{5}{8}$ to $\frac{3}{4}$ inch.....	1.20
$\frac{1}{2}$ inch.....	1.50
$\frac{3}{8}$ inch.....	3.00

WAGON BOX IRON.

$\frac{3}{4}, \frac{7}{8}$ and 1 inch, No. 12.....	1.50
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HORSE SHOE IRON.

All Sizes.....	1.00
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HEAVY BAND.Extras to be added
to Rate.

7 to 8 x $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	1.00
$1\frac{1}{2}$ to 6 x $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	0.20
1 to $1\frac{3}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	0.30
$\frac{3}{4}$ to $\frac{7}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	0.50
$\frac{1}{2}$ to $\frac{5}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch.....	1.00

LIGHT BAND.

7 to 8 x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	1.50
3 to 6 x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	0.30
$1\frac{1}{2}$ to $2\frac{3}{4}$ x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	0.50
1 to $1\frac{3}{8}$ x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	0.70
$\frac{3}{4}$ and $\frac{7}{8}$ x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	1.00
$\frac{1}{2}$ and $\frac{5}{8}$ x $\frac{1}{8}$ to $\frac{3}{16}$ inch.....	1.50
3 to 6 inch, Nos. 11 and 12.....	0.50
$1\frac{1}{2}$ to $2\frac{3}{4}$ inch, Nos. 11 and 12.....	0.70
1 to $1\frac{3}{8}$ inch, Nos. 11 and 12.....	0.90
$\frac{3}{4}$ and $\frac{7}{8}$ inch, Nos. 11 and 12.....	1.20
$\frac{1}{2}$ and $\frac{5}{8}$ inch, Nos. 11 and 12.....	1.70

HOOP IRON.

$\frac{9}{16}$, Nos. 13 to 16.....	\$2.90
$\frac{5}{8}$, Nos. 13 to 16.....	2.70
$\frac{11}{16}$, Nos. 13 to 16.....	2.40
$\frac{3}{4}$, Nos. 13 to 16.....	2.20
$\frac{13}{16}$, Nos. 13 to 16.....	1.90
$\frac{7}{8}$, Nos. 13 to 16.....	1.70
1 and $1\frac{1}{8}$, Nos. 13 to 15.....	1.30
$1\frac{1}{4}$ to 2, Nos. 13 to 15.....	.90
$2\frac{1}{4}$ to $3\frac{1}{2}$, Nos. 13 to 15.....	1.00
1 and $1\frac{1}{8}$, Nos. 16 to 18.....	1.60
$1\frac{1}{4}$ to 2, Nos. 16 to 18.....	1.10
$\frac{1}{2}$, Nos. 17 to 20.....	3.50
$1\frac{9}{16}$, Nos. 17 to 20.....	3.20
$\frac{5}{8}$, Nos. 17 to 20.....	3.00
$\frac{11}{16}$, Nos. 17 to 20.....	2.70
$\frac{3}{4}$, Nos. 17 to 20.....	2.50
$\frac{13}{16}$, Nos. 17 to 20.....	2.20
$\frac{7}{8}$, Nos. 17 to 20.....	2.00

10c per pound extra for
each gauge lighter.

EXTRAS.

Extras for cutting to length, for ordinary lengths.....	.10
“ “ “ for short lengths.....	At discretion.

Norway and Swedish Iron.

CLASSIFICATION.

Rounds and Squares.

	Extras to be added to Rate.
1 to $1\frac{1}{8}$ inch.....	Base.
2 to $2\frac{3}{8}$ inch.....	.20
$\frac{3}{4}$ to $\frac{7}{8}$ inch.....	.10
$\frac{9}{16}$ to $\frac{5}{8}$ inch.....	.20
$\frac{7}{16}$ to $\frac{1}{2}$ inch.....	.40
$\frac{3}{8}$ inch.....	.60
$\frac{5}{16}$ inch.....	.80
$\frac{1}{4}$ inch.....	1.00
$1\frac{3}{16}$ inch.....	3.00

Flats.

	Base.
$1\frac{1}{2}$ to 4 x $\frac{3}{8}$ to 1 inch thick.....	
$1\frac{1}{4}$ and $1\frac{3}{8}$ x $\frac{3}{8}$ to 1 inch thick.....	.10
1 and $1\frac{1}{8}$ x $\frac{3}{8}$ to $\frac{3}{4}$ inch thick.....	.20
$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ x $\frac{3}{8}$ to $\frac{5}{8}$ inch thick.....	.40
$1\frac{1}{2}$ to 6 x $\frac{1}{4}$ and $\frac{5}{16}$ inch thick.....	.20
1 to $1\frac{3}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch thick.....	.30
$\frac{3}{4}$ and $\frac{7}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch thick.....	.50
$\frac{1}{2}$ and $\frac{5}{8}$ x $\frac{1}{4}$ and $\frac{5}{16}$ inch thick.....	1.00

Ovals.

$\frac{5}{8}$ to $\frac{3}{4}$ inch.....	.60
$\frac{1}{2}$ inch.....	.80
$\frac{3}{8}$ and $\frac{7}{16}$ inch.....	1.20

Half Ovals and Half Rounds.

$\frac{5}{8}$ to $\frac{3}{4}$ inch.....	1.20
$\frac{1}{2}$ inch.....	1.50
$\frac{3}{8}$ and $\frac{7}{16}$ inch.....	3.00

Nail Rods.

$\frac{3}{8}$ x $\frac{3}{16}$ inch, 25-lb. and 50-lb. bundles.....	1.50
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STEEL.

"Black  Diamond."

PLOW STEEL.

Park Bros. & Co. "Black Diamond."

Crucible Cast, 4 to 7 inches wide x $\frac{1}{4}$ inch thick	.05 $\frac{1}{2}$ c per lb.
Soft Center, 4 to 7 inches wide x $\frac{1}{4}$ inch thick	.09 "
Open Hearth, 4 to 7 inches wide x $\frac{1}{4}$ inch thick	.04 "

TOOL STEEL.

Park Bros. & Co. "Black Diamond."

Octagon and Square, $\frac{1}{4}$ and $\frac{5}{16}$	.15c per lb.
" " $\frac{3}{8}$ and $\frac{1}{2}$	.12 "
" " $\frac{5}{8}$ to 2	.10 "
Flats, $\frac{1}{8}$ thick x $\frac{5}{8}$ to 3 wide	.15 "
" $\frac{3}{16}$ thick x $\frac{5}{8}$ to 3 wide	.13 "
" $\frac{1}{4}$ thick x $\frac{5}{8}$ to 3 wide	.12 "
" $\frac{3}{8}$ or $\frac{1}{2}$ thick x 1 to 3 wide	.10 "
English, Octagon and Square	.20 "

SPRING STEEL.

Spring Steel, 1 to 3 inch x $\frac{1}{4}$ to $\frac{5}{16}$	.04c per lb.
" " $\frac{3}{4}$ to 1 inch x $\frac{1}{8}$	.06 "

STEEL TIRE.

Steel Tire, $\frac{3}{4}$ to 1 inch x $\frac{3}{16}$	.05c per lb.
" " $\frac{3}{4}$ to $\frac{7}{8}$ inch x $\frac{1}{4}$	.05 "
" " 1 to 1 $\frac{1}{2}$ inch x $\frac{1}{4}$	.04 "
" " 1 to 1 $\frac{1}{2}$ inch x $\frac{5}{16}$	.04 "

ROUND MACHINERY STEEL.

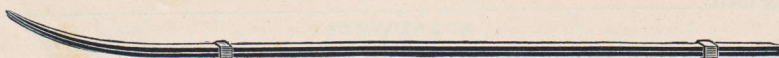
$\frac{1}{4}$ inch diameter	.08c per lb.
$\frac{5}{16}$ and $\frac{3}{8}$ inch diameter	.07 "
$\frac{1}{2}$ and $\frac{5}{8}$ inch diameter	.06 "
$\frac{3}{4}$ to 2 inch diameter	.05 "

TOE CALK STEEL.

$\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ x $\frac{3}{8}$ to 1 inch	.05c per lb.
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SLEIGH SHOE STEEL.

$\frac{1}{2}$ x $\frac{3}{4}$ to 1 $\frac{1}{4}$ inches	.05c per lb.
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STEEL CUTTER SHOES.

All Sizes—stock length, 7 feet	.06c per lb.
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Steel Wire *AND* Steel Cut Nails.

COMMON NAILS.



Full Size Cut of 10d Common Nail.

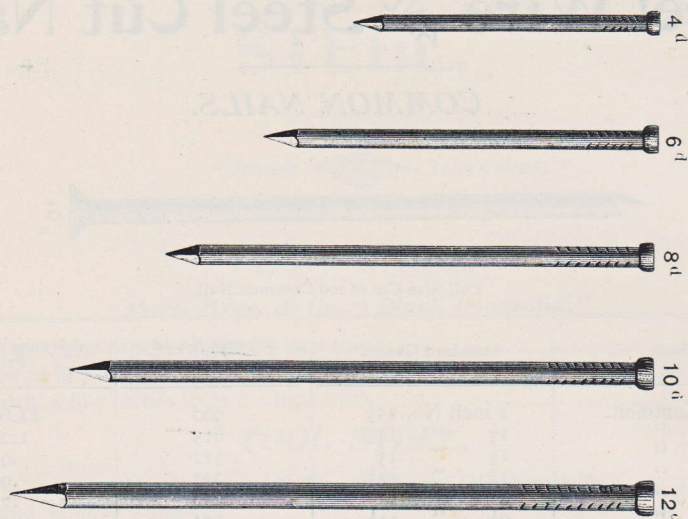
Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
2d Common.	1 inch No. 15 $\frac{1}{2}$	900	\$1.60
3d "	1 $\frac{1}{4}$ " 14 $\frac{1}{2}$	615	1.20
4d "	1 $\frac{1}{2}$ " 13	322	.90
5d "	1 $\frac{3}{4}$ " 12 $\frac{1}{2}$	254	.90
6d "	2 " 12	200	.75
7d "	2 $\frac{1}{4}$ " 11 $\frac{1}{2}$	154	.75
8d "	2 $\frac{1}{2}$ " 10 $\frac{1}{2}$	106	.60
9d "	2 $\frac{3}{4}$ " 10	85	.60
10d "	3 " 9 $\frac{1}{2}$	74	.50
12d "	3 $\frac{1}{4}$ " 9	57	.45
16d "	3 $\frac{1}{2}$ " 8	46	.45
20d "	4 " 6	29	.35
30d "	4 $\frac{1}{2}$ " 5	23	.25
40d "	5 " 4	17	.25
50d "	5 $\frac{1}{2}$ " 3	13 $\frac{1}{2}$	.10
60d "	6 " 2	10 $\frac{1}{2}$	Base.



FENCE NAILS.

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
5d Fence.	1 $\frac{3}{4}$ inch No. 10	127	\$.90
6d "	2 " 10	114	.75
7d "	2 $\frac{1}{4}$ " 9	88	.75
8d "	2 $\frac{1}{2}$ " 9	74	.60
9d "	2 $\frac{3}{4}$ " 8	58	.60
10d "	3 " 7	42	.50
12d "	3 $\frac{1}{4}$ " 6	36	.45
16d "	3 $\frac{1}{2}$ " 5	28	.45
20d "	4 " 4	22	.35

Each Half Keg, 10c extra. Each 25-lb. Box, 10c extra.

**FINISHING NAILS.**

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
2d Finishing.	1 inch No. 17	1558	\$1.90
3d "	1 $\frac{1}{4}$ " 16	884	1.65
4d "	1 $\frac{1}{2}$ " 16	767	1.45
5d "	1 $\frac{3}{4}$ " 15	491	1.25
6d "	2 " 14	359	1.10
7d "	2 $\frac{1}{4}$ " 14	317	1.10
8d "	2 $\frac{1}{2}$ " 13	214	.90
9d "	2 $\frac{3}{4}$ " 13	195	.90
10d "	3 " 12	134	.75
12d "	3 $\frac{1}{4}$ " 12	120	.65
16d "	3 $\frac{1}{2}$ " 11	91	.65
20d "	4 " 10	61	.60

CASING NAILS.

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
2d Casing.	1 inch No. 16	1140	\$1.75
3d "	1 $\frac{1}{4}$ " 15	675	1.50
4d "	1 $\frac{1}{2}$ " 15	507	1.25
5d "	1 $\frac{3}{4}$ " 14	396	1.10
6d "	2 " 13	260	.90
7d "	2 $\frac{1}{4}$ " 13	239	.90
8d "	2 $\frac{1}{2}$ " 12	160	.75
9d "	2 $\frac{3}{4}$ " 12	148	.75
10d "	3 " 11	108	.65
12d "	3 $\frac{1}{4}$ " 11	99	.60
16d "	3 $\frac{1}{2}$ " 10	69	.60
20d "	4 " 9	50	.50
30d "	4 $\frac{1}{2}$ " 9	45	.40
40d "	5 " 8	35	.40

Each Half Keg, 10c extra. Each 25-lb. Box, 10c extra.

FINE NAILS.

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
2d Fine.	1 inch No. 17	1440	\$1.90
3d "	1 $\frac{1}{8}$ " 15 $\frac{1}{2}$	810	1.60
4d "	1 $\frac{1}{2}$ " 15	550	1.25

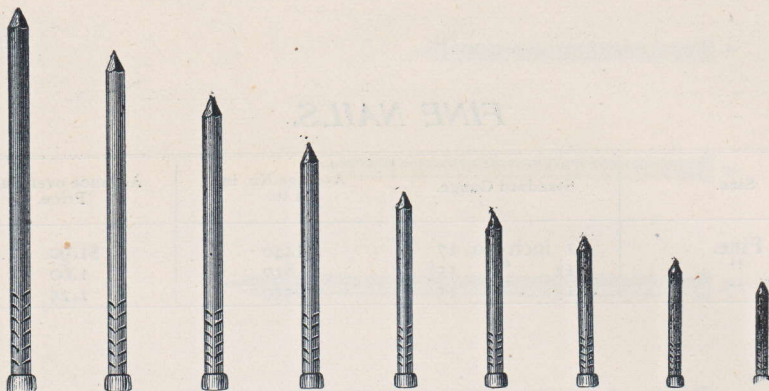
BARREL NAILS.

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
$\frac{3}{4}$ inch Barrel.	$\frac{3}{4}$ inch No. 15 $\frac{1}{2}$	940	\$2.00
" "	$\frac{7}{8}$ " 14 $\frac{1}{2}$	804	1.75
1 " "	1 " 14 $\frac{1}{2}$	620	1.50
1 $\frac{1}{8}$ " "	1 $\frac{1}{8}$ " 14 $\frac{1}{2}$	590	1.40
1 $\frac{1}{4}$ " "	1 $\frac{1}{4}$ " 14	542	1.20
1 $\frac{3}{8}$ " "	1 $\frac{3}{8}$ " 13	365	1.00
1 $\frac{1}{2}$ " "	1 $\frac{1}{2}$ " 13	322	.90

Each Half Keg, 10c extra. Each 25-lb. Box, 10c extra.

BARBED ROOFING NAILS.

Size.	Standard Gauge.	Average No. in 1 lb.	Advance over Base Price.
$\frac{3}{4}$ inch Barb Roofing.	$\frac{3}{4}$ inch No. 13	648	\$2.00
" " "	" " 12	413	1.75
1 " " "	1 " 12	384	1.50
1 $\frac{1}{8}$ " " "	1 $\frac{1}{8}$ " 12	339	1.40
1 $\frac{1}{4}$ " " "	1 $\frac{1}{4}$ " 11	231	1.25
1 $\frac{1}{2}$ " " "	1 $\frac{1}{2}$ " 10	154	1.10
1 $\frac{3}{4}$ " " "	1 $\frac{3}{4}$ " 10	135	1.05
2 " " "	2 " 9	90	.90



Miscellaneous Wire Nail List,

Applying to all Nails except Standard Nails
in Kegs or Boxes.

PRICES STATED ARE FOR ONE-POUND PACKAGES.

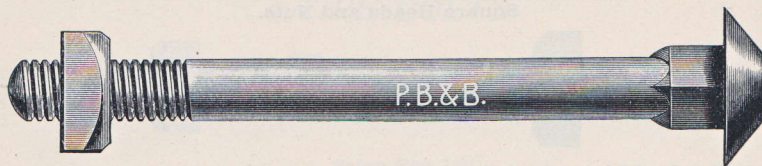
Length.	Gauge.	Per lb.	Length.	Gauge.	Per lb.
¼ inch.	No. 19	65c	1 ½ inch.	No. 13 to 4	24c
	" 20	85		" 14	26
	" 21	95		" 15	27
⅜ inch.	No. 18	50		" 16	28
	" 19	55		" 17	29
	" 20	65	1 ¾ inch.	No. 12 to 4	23
½ inch.	" 21	75		" 13	24
	No. 18 to 14	45		" 14	25
	" 19	50		" 15	26
⅝ inch.	" 20	55	2 and 2 ¼ inch.	No. 12 to 3	23
	No. 17 to 12	38		" 13	24
	" 18	40		" 14	25
¾ inch.	" 19	45	2 ½ and 2 ¾ inch.	No. 9 to 3	21
	" 20	50		" 10	22
	No. 15 to 10	31		" 11	23
¾ inch.	" 16	33		" 12	24
	" 17	35		" 13	25
	" 18	36	3 and 3 ¼ inch.	No. 8 to 3	20
	" 19	40		" 9	21
⅞ inch.	No. 14 to 8	29		" 10	22
	" 15	30		" 11	23
	" 16	32		" 12	24
	" 17	33	3 ½ and 4 inch.	No. 9 to 3	20
1 and 1 ⅛ inch.	" 18	34		" 10	21
	No. 15 to 7	28		" 11	22
	" 16	29			
	" 17	31			
1 ¼ and 1 ⅝ inch.	" 18	32			
	No. 13 to 6	26			
	" 14	27			
	" 15	28			
	" 16	29			
	" 17	30			

EXTRAS--Add to List.

½-lb. Papers, 4c. ¼-lb. Papers, 8c. Oval, Cone or other Special Heads or Special Points, or for Barbing or Annealing, 2c. Nails combining several specialties, add as above for each. Galvanized or Tinned Nails at Special Prices.

REBATES--Deduct from List.

Nails in 25 lb. or 50-lb. Boxes, or 100-lb. Kegs, bulk, 1c.

COMMON CARRIAGE BOLTS.

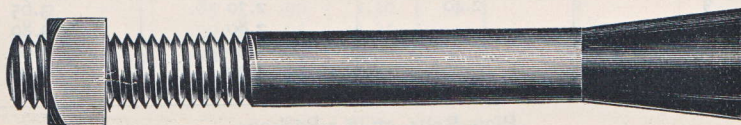
Standard List Adopted Jan. 30, 1895. In Effect Feb. 14, 1895.

Price Per 100.

Length.	$\frac{3}{16}$ and $\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ and $\frac{5}{8}$	$\frac{3}{4}$
1 to $1\frac{1}{2}$	\$ 1.00	\$ 1.20	\$ 1.50	\$ 2.20	\$ 3.00	\$ 5.00	\$ 7.20
$1\frac{3}{4}$	1.04	1.25	1.50	2.20	3.00	5.00	7.20
2	1.08	1.30	1.50	2.20	3.00	5.00	7.20
$2\frac{1}{4}$	1.12	1.35	1.57	2.28	3.00	5.00	7.20
$2\frac{1}{2}$	1.16	1.40	1.64	2.36	3.00	5.00	7.20
$2\frac{3}{4}$	1.20	1.45	1.71	2.44	3.00	5.00	7.20
3	1.24	1.50	1.78	2.52	3.00	5.00	7.20
$3\frac{1}{4}$	1.28	1.55	1.85	2.60	3.10	5.15	7.40
$3\frac{1}{2}$	1.32	1.60	1.92	2.68	3.20	5.30	7.60
$3\frac{3}{4}$	1.36	1.65	1.99	2.76	3.30	5.45	7.80
4	1.40	1.70	2.06	2.84	3.40	5.60	8.00
$4\frac{1}{4}$	1.44	1.75	2.13	2.92	3.50	5.75	8.20
$4\frac{1}{2}$	1.48	1.80	2.20	3.00	3.60	5.90	8.40
$4\frac{3}{4}$	1.52	1.85	2.27	3.08	3.70	6.05	8.60
5	1.56	1.90	2.34	3.16	3.80	6.20	8.80
$5\frac{1}{2}$	1.64	2.00	2.48	3.32	4.00	6.50	9.20
6	1.72	2.10	2.62	3.48	4.20	6.80	9.60
$6\frac{1}{2}$	1.80	2.20	2.76	3.64	4.40	7.10	10.00
7	1.88	2.30	2.90	3.80	4.60	7.40	10.40
$7\frac{1}{2}$	1.96	2.40	3.04	3.96	4.80	7.70	10.80
8		2.50	3.18	4.12	5.00	8.00	11.20
$8\frac{1}{2}$		2.60	3.32	4.28	5.20	8.30	11.60
9		2.70	3.46	4.44	5.40	8.60	12.00
$9\frac{1}{2}$		2.80	3.60	4.60	5.60	8.90	12.40
10		2.90	3.74	4.76	5.80	9.20	12.80
11			4.02	5.08	6.20	9.80	13.60
12			4.30	5.40	6.60	10.40	14.40
13				5.72	7.00	11.00	15.20
14				6.04	7.40	11.60	16.00
15					7.80	12.20	16.80
16					8.20	12.80	17.60
17					8.60	13.40	18.40
18					9.00	14.00	19.20
19					9.40	14.60	20.00
20					9.80	15.20	20.80

SLEIGH SHOE BOLTS.

(Same List as above.)



MACHINE BOLTS.

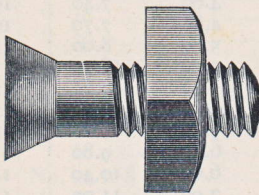
Square Heads and Nuts.

**Standard List Adopted Jan. 30, 1895. In Effect Feb. 14, 1895.**

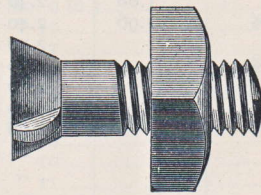
Price per 100.

Length.	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$
1 $\frac{1}{2}$	\$ 2.00	\$ 2.40	\$ 2.80	\$ 3.60
2	2.10	2.52	2.96	3.80
2 $\frac{1}{2}$	2.20	2.64	3.12	4.00
3	2.30	2.76	3.28	4.20
3 $\frac{1}{2}$	2.40	2.88	3.44	4.40
4	2.50	3.00	3.60	4.60
4 $\frac{1}{2}$	2.60	3.12	3.76	4.80
5	2.70	3.24	3.92	5.00
5 $\frac{1}{2}$	2.80	3.36	4.08	5.20
6	2.90	3.48	4.24	5.40
6 $\frac{1}{2}$	3.00	3.60	4.40	5.60
7	3.10	3.72	4.56	5.80
7 $\frac{1}{2}$	3.20	3.84	4.72	6.00
8	3.30	3.96	4.88	6.20
9	3.50	4.20	5.20	6.60
10	3.70	4.44	5.52	7.00

Machine Bolts, 50 in a Package.

PLOW BOLTS.

Round Head.



Key Head.

Standard List Per 100.

Length.	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$
1 $\frac{1}{4}$	\$ 1.70	\$ 2.00	\$ 2.60
1 $\frac{1}{2}$	1.80	2.10	2.75
1 $\frac{3}{4}$	1.90	2.20	2.90
2	2.00	2.30	3.05
2 $\frac{1}{4}$	2.10	2.40	3.20
2 $\frac{1}{2}$	2.20	2.50	3.35
2 $\frac{3}{4}$	2.30	2.60	3.50
3	2.40	2.70	3.65
3 $\frac{1}{4}$		2.80	3.80
3 $\frac{1}{2}$		2.90	3.95
3 $\frac{3}{4}$		3.00	4.10
4		3.10	4.25

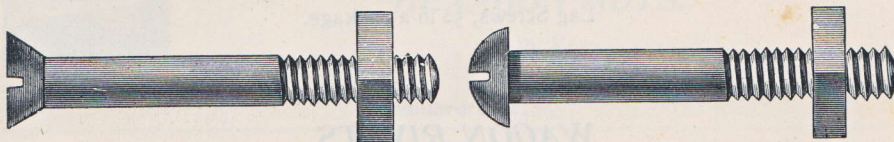
Plow Bolts, 50 in a Package.

TIRE BOLTS.

Price Per 100.

Length.	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
$1\frac{1}{4}$	\$.60	\$.80	\$ 1.10
$1\frac{1}{2}$	.60	.80	1.10
$1\frac{3}{4}$	.65	.85	1.10
2	.70	.90	1.17
$2\frac{1}{4}$	.75	.95	1.24
$2\frac{1}{2}$	.80	1.00	1.31
$2\frac{3}{4}$	.85	1.05	1.38
3	.90	1.10	1.45
$3\frac{1}{4}$	.95	1.15	1.52
$3\frac{1}{2}$	1.00	1.20	1.59
$3\frac{3}{4}$	1.05	1.25	1.66
4		1.30	1.73
$4\frac{1}{4}$		1.35	1.80
$4\frac{1}{2}$		1.40	1.87
5		1.50	2.00

Tire Bolts, 100 in a box.

STOVE BOLTS.**FLAT HEADS.**

Price Per 100.

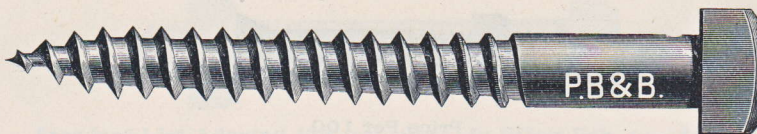
Length.	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
$\frac{1}{2}$	\$.60	\$.65	
$\frac{5}{8}$	.60	.65	
$\frac{3}{4}$	.60	.65	\$ 1.05
$\frac{7}{8}$	.65	.70	1.10
1	.65	.70	1.10
$1\frac{1}{4}$	.70	.75	1.15
$1\frac{1}{2}$	.75	.80	1.20
$1\frac{3}{4}$	.80	.85	1.25
2	.85	.90	1.30
$2\frac{1}{4}$	.90	.95	1.35
$2\frac{1}{2}$	.95	1.00	1.40
$2\frac{3}{4}$	1.00	1.05	1.45
3	1.05	1.10	1.50

ROUND HEADS.

Price Per 100.

Length.	$\frac{3}{16}$	$\frac{1}{4}$
$\frac{1}{2}$	\$.85	\$.95
$\frac{5}{8}$	.85	.95
$\frac{3}{4}$	.85	.95
$\frac{7}{8}$	.90	1.00
1	.90	1.00
$1\frac{1}{4}$	.95	1.05
$1\frac{1}{2}$	1.00	1.10
$1\frac{3}{4}$	1.05	1.15
2	1.10	1.20
$2\frac{1}{4}$	1.15	1.25
$2\frac{1}{2}$	1.20	1.30
$2\frac{3}{4}$	1.25	1.35
3	1.30	1.40

Stove Bolts, 100 in a box.

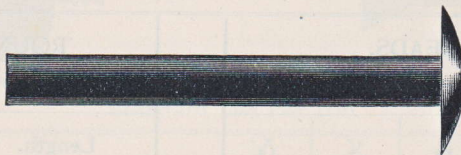
GIMLET-POINTED SKEIN BOLTS AND LAG SCREWS.

Standard List Adopted Jan. 30, 1895. In Effect Feb. 14, 1895.

Price Per 100.

Length.	$\frac{1}{4}$ and $\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ and $\frac{5}{8}$	$\frac{3}{4}$
$1\frac{1}{2}$	\$ 2.25	\$ 2.70	\$ 3.15	\$ 3.75		
2	2.40	2.88	3.39	4.05	\$ 4.95	
$2\frac{1}{2}$	2.55	3.06	3.63	4.35	5.40	\$ 7.92
3	2.70	3.24	3.87	4.65	5.85	8.58
$3\frac{1}{2}$	2.85	3.42	4.11	4.95	6.30	9.24
4	3.00	3.60	4.35	5.25	6.75	9.90
$4\frac{1}{2}$	3.15	3.78	4.59	5.55	7.20	10.56
5	3.30	3.96	4.83	5.85	7.65	11.22
$5\frac{1}{2}$	3.45	4.14	5.07	6.15	8.10	11.88
6			5.31	6.45	8.55	12.54
$6\frac{1}{2}$			5.55	6.75	9.00	13.20
7			5.79	7.05	9.45	13.86
$7\frac{1}{2}$			6.03	7.35	9.90	14.52
8			6.27	7.65	10.35	15.18
9			6.75	8.25	11.25	16.50
10				8.85	12.15	17.82

Lag Screws, 50 in a package.

WAGON RIVETS.

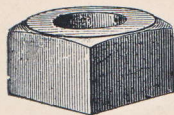
Flat Head.

Flat Head, 1 to 4 x $\frac{1}{4}$ inch.....Per lb., .08
 " " $\frac{3}{4}$ to 3 x $\frac{3}{16}$ "....." .09



Oval Head.

Oval Head, 1 to 3 x $\frac{1}{4}$ inch.....Per lb., .08
 " " $\frac{3}{4}$ to 3 x $\frac{3}{16}$ "....." .09

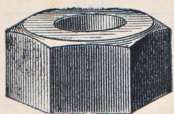


SQUARE NUTS.

200-lb. Kegs.

Standard List.

Width.	Thickness.	Hole.	Size of Bolt.	Price per lb.
$\frac{13}{32}$	$\frac{3}{16}$	$\frac{5}{32}$	$\frac{3}{16}$	30 Cents.
$\frac{1}{2}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{1}{4}$	13 "
$\frac{5}{8}$	$\frac{9}{16}$	$\frac{7}{16}$	$\frac{5}{16}$	11½ "
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	10 "
$\frac{7}{8}$	$\frac{7}{16}$	$\frac{3}{4}$	$\frac{7}{16}$	9 "
$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	9 "
$1\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	8½ "
$1\frac{1}{8}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	8½ "
$1\frac{1}{4}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{8}$	8½ "
$1\frac{3}{8}$	$\frac{3}{4}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{3}{4}$	8½ "
$1\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{3}{4}$	8½ "
$1\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{7}{8}$	8½ "
$1\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{7}{8}$	8½ "
2	1	$\frac{7}{8}$ or $\frac{7}{8}$	1	8½ "
2	$1\frac{1}{8}$	$\frac{1}{2}$ or 1	$1\frac{1}{8}$	8½ "
$2\frac{1}{4}$	$1\frac{1}{8}$	$\frac{1}{2}$ or 1	$1\frac{1}{8}$	8½ "
$2\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$ or $1\frac{1}{8}$	$1\frac{1}{4}$	8½ "
$2\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$ or $1\frac{1}{8}$	$1\frac{1}{4}$	8½ "
$2\frac{3}{4}$	$1\frac{3}{8}$	$\frac{1}{2}$ or $1\frac{1}{4}$	$1\frac{3}{8}$	8½ "
3	$1\frac{1}{2}$	$\frac{1}{2}$ or $1\frac{3}{8}$	$1\frac{1}{2}$	8½ "
$3\frac{1}{4}$	$1\frac{3}{8}$	$\frac{1}{2}$ or $1\frac{3}{8}$	$1\frac{3}{8}$	8½ "
$3\frac{1}{2}$	$1\frac{3}{4}$	$\frac{1}{2}$ or $1\frac{3}{4}$	$1\frac{3}{4}$	9½ "
$3\frac{3}{4}$	$1\frac{7}{8}$	$\frac{1}{2}$ or $1\frac{7}{8}$	$1\frac{7}{8}$	9½ "
4	2	$\frac{1}{2}$ or 2	2	9½ "

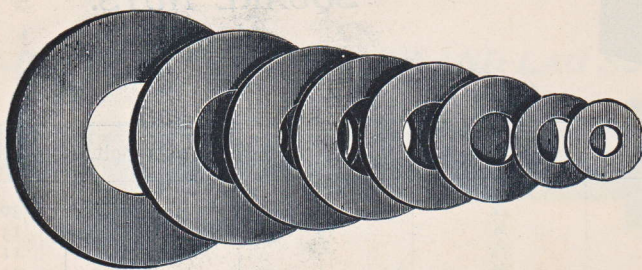


HEXAGON NUTS.

200-lb. Kegs.

Standard List.

Width.	Thickness.	Hole.	Size of Bolt.	Price per lb.
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{1}{4}$	20 Cents.
$\frac{5}{8}$	$\frac{5}{16}$	$\frac{9}{32}$	$\frac{5}{16}$	16 "
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{11}{32}$	$\frac{3}{8}$	13 "
$\frac{7}{8}$	$\frac{7}{16}$	$\frac{13}{32}$	$\frac{7}{16}$	11½ "
$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	11½ "
$1\frac{1}{8}$	$\frac{9}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	10½ "
$1\frac{1}{8}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	10½ "
$1\frac{1}{4}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{8}$	10½ "
$1\frac{1}{4}$	$\frac{3}{4}$	$\frac{9}{16}$	$\frac{3}{4}$	9½ "
$1\frac{3}{8}$	$\frac{3}{4}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{3}{4}$	9½ "
$1\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{3}{4}$	9½ "
$1\frac{1}{2}$	$\frac{7}{8}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{7}{8}$	9½ "
$1\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{2}$ or $\frac{1}{2}$	$\frac{7}{8}$	9½ "
$1\frac{3}{4}$	1	$\frac{1}{2}$ or 1	1	9½ "
$1\frac{3}{4}$	$1\frac{1}{8}$	$\frac{1}{2}$ or 1	$1\frac{1}{8}$	9½ "
2	$1\frac{1}{4}$	$\frac{1}{2}$ or 1	$1\frac{1}{4}$	9½ "
$2\frac{1}{4}$	$1\frac{3}{8}$	$\frac{1}{2}$ or $1\frac{1}{8}$	$1\frac{3}{8}$	9½ "
$2\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{2}$ or $1\frac{1}{4}$	$1\frac{1}{2}$	9½ "
$2\frac{3}{4}$	$1\frac{5}{8}$	$\frac{1}{2}$ or $1\frac{3}{8}$	$1\frac{1}{2}$	10 "

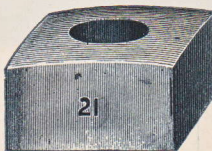
WROUGHT IRON WASHERS.**Manufacturers' Standard List.**

Size of Bolt.	Width.	Hole.	Gauge.	Price per lb.
$\frac{3}{16}$	$\frac{9}{16}$	$\frac{1}{4}$	18	18.0
$\frac{1}{4}$	$\frac{3}{4}$	$\frac{5}{16}$	16	12.5
$\frac{5}{16}$	$\frac{7}{8}$	$\frac{3}{8}$	16	11.5
$\frac{3}{8}$	1	$\frac{7}{16}$	14	10.5
$\frac{7}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	14	9.5
$\frac{1}{2}$	$1\frac{3}{8}$	$\frac{9}{16}$	12	9.0
$\frac{9}{16}$	$1\frac{1}{2}$	$\frac{5}{8}$	12	8.5
$\frac{5}{8}$	$1\frac{3}{4}$	$\frac{11}{16}$	10	8.5
$\frac{3}{4}$	2	$\frac{13}{16}$	10	8.5
$\frac{7}{8}$	$2\frac{1}{4}$	$\frac{15}{16}$	9	8.5
1	$2\frac{1}{2}$	1	9	8.5
$1\frac{1}{8}$	$2\frac{3}{4}$	$1\frac{1}{4}$	9	8.5
$1\frac{1}{4}$	3	$1\frac{3}{8}$	9	8.5
$1\frac{3}{8}$	$3\frac{1}{4}$	$1\frac{1}{2}$	8	9.0
$1\frac{1}{2}$	$3\frac{1}{2}$	$1\frac{5}{8}$	8	9.0
$1\frac{5}{8}$	$3\frac{3}{4}$	$1\frac{3}{4}$	8	9.0
$1\frac{3}{4}$	4	$1\frac{7}{8}$	8	9.0
$1\frac{7}{8}$	$4\frac{1}{4}$	2	8	9.0
2	$4\frac{1}{2}$	$2\frac{1}{8}$	8	9.0

5 lbs. in a Box. Order by size of Bolt.

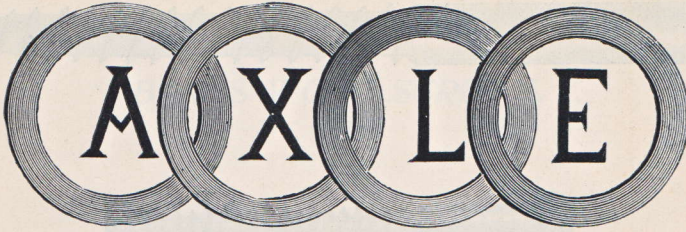
WROUGHT RIVETING BURRS.

For $\frac{3}{16}$ inch Bolt, $\frac{13}{64}$ inch Hole..... Per lb., .24
 " $\frac{1}{4}$ " " "..... " .20

SQUARE TAPPED NUTS.

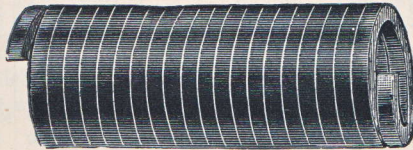
With Standard Carriage Bolt Thread.

For $\frac{1}{4}$ inch Bolt..... Per lb., .15
 " $\frac{5}{16}$ " "..... " .13
 " $\frac{3}{8}$ " "..... " .12
 " $\frac{7}{16}$ " "..... " .11
 " $\frac{1}{2}$ " "..... " .10
 " $\frac{9}{16}$ " "..... " .09
 " $\frac{5}{8}$ " "..... " .09
 " $\frac{3}{4}$ " "..... " .08

LEATHER AXLE WASHERS.

SIZE OF AXLE.	NUT.				COLLAR.			
	No.	Inside.	Out-side.	Per 100.	No.	Inside.	Out-side.	Per 100.
$\frac{3}{4}$ Inch.....	1	$\frac{3}{4}$	1	\$ 1.75	42	$\frac{15}{16}$	$1\frac{5}{16}$	\$ 2.25
$\frac{7}{8}$ ".....	3	$\frac{3}{4}$	$1\frac{1}{8}$	1.75	55	1	$1\frac{7}{16}$	2.25
$\frac{1}{2}$ ".....	15	$\frac{13}{16}$	$1\frac{1}{8}$	1.75	68	$1\frac{1}{16}$	$1\frac{7}{16}$	2.25
1 ".....	28	$\frac{7}{8}$	$1\frac{3}{16}$	1.75	81	$1\frac{1}{8}$	$1\frac{1}{2}$	2.50
1 $\frac{1}{8}$ ".....	41	$\frac{15}{16}$	$1\frac{1}{4}$	1.75	94	$1\frac{3}{16}$	$1\frac{9}{16}$	2.50
1 $\frac{1}{4}$ ".....	55	1	$1\frac{3}{8}$	2.25	120	$1\frac{1}{2}$	$1\frac{11}{16}$	2.50
1 $\frac{3}{8}$ ".....	68	$1\frac{1}{16}$	$1\frac{7}{16}$	2.25	133	$1\frac{3}{8}$	$1\frac{3}{4}$	2.50
1 $\frac{1}{2}$ ".....	82	$1\frac{1}{8}$	$1\frac{9}{16}$	2.50	147	$1\frac{7}{16}$	$1\frac{7}{8}$	2.75
1 $\frac{3}{4}$ ".....	94	$1\frac{3}{16}$	$1\frac{9}{16}$	2.50	174	$1\frac{9}{16}$	$2\frac{1}{16}$	3.50
1 $\frac{7}{8}$ ".....	120	$1\frac{5}{16}$	$1\frac{11}{16}$	2.50	212	$1\frac{3}{4}$	$2\frac{3}{16}$	3.50
1 $\frac{1}{2}$ ".....	147	$1\frac{7}{16}$	$1\frac{7}{8}$	2.75				

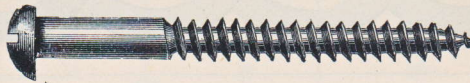
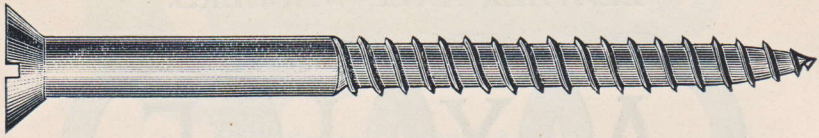
Packed 50 in a Box. Nut and Collars separate.

SPIRAL LEATHER AXLE WASHERS.**S-B SPIRAL AXLE WASHERS.**

1. They are made from best oak-tanned stock, durable and satisfactory.
2. They can be cut to fit any nut or collar, thereby saving trouble and expense and making them superior to all others.

Spiral Leather Washers, $1\frac{1}{8}$ -inch, per box, .50.

WOOD SCREWS.



Flat Head and Round Head, Bright Steel.

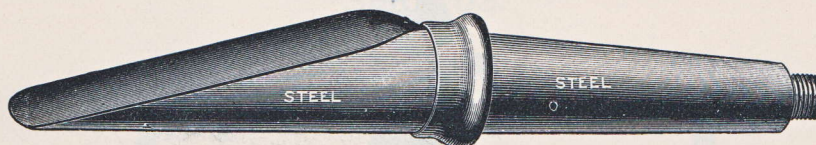
$\frac{1}{4}$ Inch.	$\frac{3}{8}$ Inch.	$\frac{7}{8}$ Inch.	$1\frac{1}{4}$ Inch.	$1\frac{3}{4}$ Inch.	$2\frac{1}{4}$ Inch.	No.	\$
No.	No.	No.	No.	No.	No.	No.	No.
0 .40	1 .40	2 .41	5 .68	6 .92	10 1.45	20 4.25	
1 .40	2 .40	3 .44	6 .74	7 .98	11 1.50	22 5.00	
2 .40	3 .40	4 .48	7 .80	8 1.05	12 1.70	24 5.60	
3 .40	4 .40	5 .52	8 .87	9 1.10	13 1.90	3 Inch.	
4 .40	5 .43	6 .59	9 .94	10 1.20	14 2.10		
	6 .40	7 .66	10 1.00	11 1.30	15 2.35	12 2.45	
	7 .56	8 .73	11 1.10	12 1.45	16 2.60	13 2.55	
$\frac{3}{8}$ Inch.	8 .63	9 .80	12 1.20	13 1.65	17 2.80	14 2.65	
No.	9 .70	10 .87	13 1.35	14 1.85	18 3.05	15 2.95	
0 .40	10 .77	11 .94	14 1.55	15 2.05	20 3.60	16 3.30	
1 .40	11 .84	12 1.00	15 1.75	16 2.25	22 4.20	17 3.65	
2 .40	12 .91	13 1.15	16 1.95	17 2.45	$2\frac{1}{2}$ Inch.	18 4.05	
3 .40	13 .98	14 1.30	17 2.15	18 2.70		20 4.80	
4 .40	14 1.10	15 1.50	18 2.35	20 3.20	No.	22 5.55	
5 .40		16 1.70	20 2.85	22 3.75	10 1.70	24 6.40	
6 .41				24 4.35	11 1.75	26 7.50	
7 .48					12 1.85		
8 .55	$\frac{3}{4}$ Inch.	1 Inch.	$1\frac{1}{2}$ Inch.		13 2.05	$3\frac{1}{2}$ Inch.	
9 .62	No.	No.	No.	No.	14 2.25	No.	
	2 .40	3 .51	4 .70	2 Inch.	15 2.55	16 3.90	
	3 .41	4 .55	5 .76	8 1.20	16 2.75	17 4.30	
	4 .41	5 .59	6 .82	9 1.25	17 3.00	18 4.75	
$\frac{1}{2}$ Inch.	5 .46	6 .66	7 .88	10 1.30	18 3.30	20 5.55	
No.	6 .53	7 .73	8 .94	11 1.40	20 3.85	22 6.35	
1 .40	7 .60	8 .80	9 1.00	12 1.55	22 4.50	24 7.30	
2 .40	8 .67	9 .87	10 1.10	13 1.80	24 5.10	26 8.50	
3 .40	9 .74	10 .94	11 1.20	14 2.00			
4 .40	10 .81	11 1.00	12 1.30	15 2.20	$2\frac{3}{4}$ Inch.	4 Inch.	
5 .41	11 .88	12 1.10	13 1.50	16 2.40	No.	No.	
6 .45	12 .95	13 1.25	14 1.70	17 2.60	13 2.25	16 4.75	
7 .52	13 1.05	14 1.40	15 1.90	18 2.90	14 2.45	18 5.60	
8 .59	14 1.20	15 1.60	16 2.10	20 3.40	15 2.70	20 6.40	
9 .66	15 1.35	17 2.30	18 2.50	22 4.00	16 2.95	22 7.30	
10 .73	16 1.55	18 2.20	20 3.00		17 3.25	24 8.40	
11 .80					18 3.60	26 9.70	
12 .87							

The above list is applied to Flat Head Bright Screws, Round Head Bright Screws, Flat Head Japanned Screws, Round Head Japanned Screws, Flat Head Blued Screws, Round Head Blued Screws.

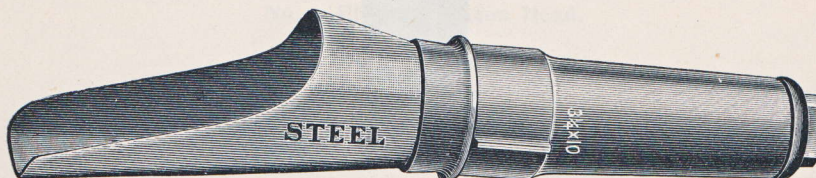
BRASS WOOD SCREWS.**Flat Head Brass and Round Head Brass.**

$\frac{3}{8}$ Inch.	$\frac{5}{8}$ Inch.	No.	\$	No.	\$	$1\frac{1}{4}$ Inch.	9	3.45	17	9.50
No. 0 .80	No. 2 .91	10 2.40	15 4.55	No. 4 2.10	10 3.95	18 10.45				
1 .82	3 .99	11 2.65	16 5.05	5 2.15	11 4.45	20 12.40				
2 .86	4 1.06	12 3.00	1 Inch. 6 2.20	6 2.20	12 5.00	22 14.50				
3 .89	5 1.20	13 3.35	No. 7 2.25	7 2.25	13 5.60	24 16.85				
4 .95	6 1.30	14 3.70	3 1.55	8 2.65	14 6.25					
5 1.03	7 1.50	15 4.10	4 1.60	9 3.00	15 6.90	2 Inch. No. 6 4.80				
6 1.10	8 1.70	16 4.50	5 1.65	10 3.25	16 7.60	7 4.85				
7 1.20	9 1.90	$\frac{7}{8}$ Inch. 6 1.70	6 1.70	11 3.85	17 8.35	8 4.90				
	10 2.15	No. 2 1.35	7 1.95	12 4.35	18 9.15	9 4.95				
	11 2.40	3 1.40	8 2.30	13 4.85	19 10.85	10 5.00				
$\frac{1}{2}$ Inch. No. 12 2.65		4 1.45	9 2.60	14 5.35	$1\frac{3}{4}$ Inch. No. 7 3.80	11 5.65				
		5 1.50	10 2.95	15 5.95	8 3.85	12 6.40				
	$\frac{3}{4}$ Inch. No. 2 1.06	6 1.55	11 3.30	16 6.55	9 3.90	13 7.15				
	3 1.10	7 1.80	12 3.65	17 7.20	10 4.45	14 7.95				
	4 1.15	8 2.05	13 4.10	18 7.85	11 5.05	15 8.80				
	5 1.30	9 2.35	14 4.55	20 9.35	12 5.70	16 9.75				
	6 1.45	10 2.65	15 5.00	$1\frac{1}{2}$ Inch. No. 12 5.70	13 6.35	17 10.70				
	7 1.60	11 2.95	16 5.55	6 2.95	14 7.10	18 11.70				
	8 1.70	12 3.35	17 6.65	7 3.00	15 7.90	20 13.90				
	9 1.90	13 3.70		8 3.05	16 8.65	22 16.30				
	10 2.15	14 4.10								

The above list is applied to Flat Head Brass Screws, Round Head Bright Screws, and Oval Head Brass Screws.

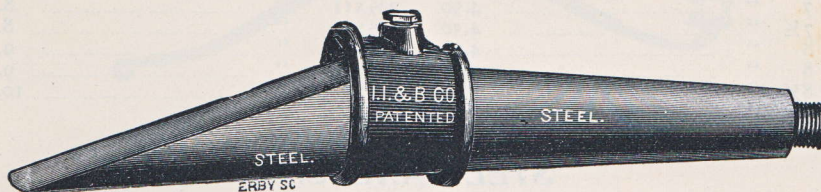
STEEL WAGON SKEINS.**STANDARD.**

The Standard Steel Skeins are thoroughly welded, smooth and uniform in size, and only the best material is used in their manufacture.

**CHAMPION.**

The Champion Steel Skeins are thoroughly welded from point of arm to end of sleeve, which is enlarged and extends back of collar as shown in cut, to receive the entire axle, thereby strengthening it very materially and making it impossible for water, grease or dirt to enter between the Skein and axle.

The threaded portion of the Skein is made of wrought iron thoroughly welded to the steel.

**I. I. & B. CO.**

These Skeins are of uniform taper, true to size and interchangeable.

The I. I. & B. Co.'s Patent Steel Skeins are giving general satisfaction.

The sleeves of these Skeins having the same shape, uniformity and smoothness of cast iron Skeins, they can be fitted to the axletrees with the same machine as is used in fitting the cast Skeins, and with no additional labor.

PRICE LIST.

Size.	Gauge of Steel.	Price per set.	Size.	Gauge of Steel.	Price per set.	Size.	Gauge of Steel.	Price per set.
2 1/4 x 7	No. II	\$ 5.60	3 x 10	No. 10	\$ 6.70	3 1/2 x 12	No. 9	\$ 9.00
2 1/4 x 7 1/2	" II	5.60	3 1/4 x 9	" 9	7.40	3 3/4 x 11	" 8	10.00
2 1/2 x 7 1/2	" II	5.70	3 1/4 x 10	" 9	7.50	3 3/4 x 12	" 8	10.00
2 1/2 x 8	" II	5.80	3 1/4 x 11	" 9	7.60	4 x 12	" 7	12.00
2 3/4 x 8	" 10	6.10	3 1/2 x 10	" 9	8.30	4 1/4 x 12	" 7	13.00
2 3/4 x 8 1/2	" 10	6.20	3 1/2 x 10 1/2	" 9	8.40	4 1/2 x 12	" 6	17.00
2 3/4 x 9	" 10	6.30	3 1/2 x 11	" 9	8.50	4 1/2 x 13	" 6	18.00
3 x 9	" 10	6.50						

Standard Steel Skeins, Discount.....Per Cent.

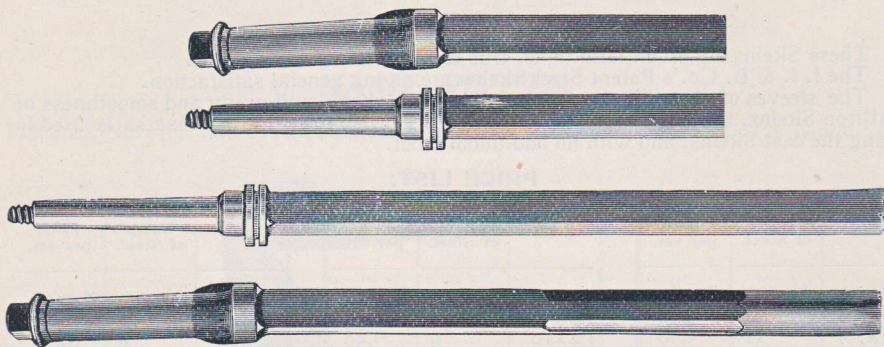
Champion Steel Skeins, Discount.....Per Cent.

I. I. & B. Co.'s Steel Skeins, Discount.....Per Cent.

Self Oilers 25c. per set extra.
 Orput Draft Lugs 15c. " "
 Ulrich Truss Lugs 25c. " "

THIMBLE SKEINS.

SIZE.	PER SET.	SIZE.	PER SET.
2 X 6 inches.....	\$ 3.25	3 X 9 inches.....	\$ 6.00
2 X 6 1/2 ".....	3.25	3 1/4 X 9 ".....	7.00
2 1/8 X 6 1/2 ".....	3.50	3 X 10 ".....	6.50
2 1/4 X 7 ".....	3.75	3 1/4 X 10 ".....	7.50
2 1/4 X 7 1/2 ".....	4.00	3 1/4 X 11 ".....	7.75
2 3/8 X 7 ".....	4.00	3 1/2 X 10 ".....	8.00
2 3/8 X 7 1/2 ".....	4.00	3 1/2 X 10 1/2 ".....	8.00
2 1/2 X 7 ".....	4.50	3 1/2 X 11 ".....	8.30
2 1/2 X 7 1/2 ".....	4.50	3 1/2 X 12 ".....	8.80
2 1/2 X 8 ".....	4.75	3 3/4 X 11 ".....	9.00
2 3/4 X 8 ".....	5.25	3 3/4 X 12 ".....	9.40
2 3/4 X 8 1/2 ".....	5.40	4 X 12 ".....	10.60
2 3/4 X 9 ".....	6.00		

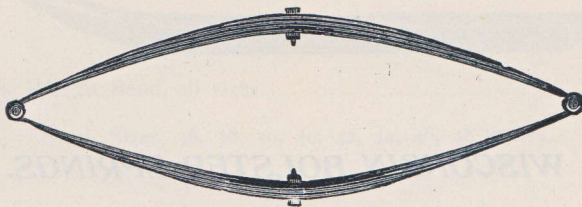
STEEL AXLES.**Half Patent, Double Collars.**

No.	Swell Shoulder	3/4 to 7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	2
11	Long Arm.....	\$ 5.50	\$ 6.00	\$ 6.50	\$ 8.00	\$12.00	\$15.00	\$18.00	\$23.00	\$33.00
12	Short Arm.....	4.25	4.75	5.00	6.00	0.50	12.50	15.50	20.00	26.00

EXTRA FOR COACHING.

3/4 to 1 1/4.....	per set, \$.15 net.
1 3/8 to 1 1/2.....	“ .30 “
1 5/8 up.....	“ 1.00 “

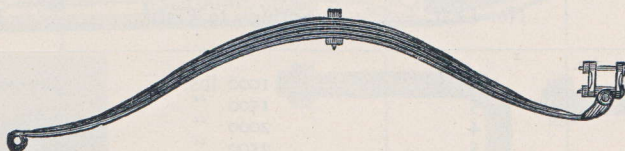
SPRINGS.



No. 5 Elliptic, Button Head.



Platform Cross Spring.



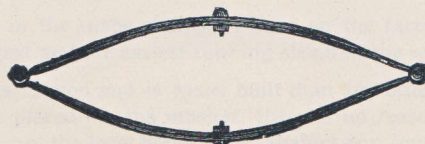
Platform Side Spring.



Half Spring.

ELLIPTIC, PLATFORM AND HALF SPRINGS.

Bright, $1\frac{1}{4}$ and $1\frac{3}{8}$ inch.....	Per lb.,	.07½
" $1\frac{1}{2}$ and wider	"	.07

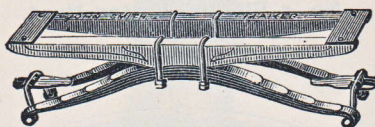


Seat Springs.

Oil Temper, Painted Red.

$1\frac{1}{2}$ inch x 2 leaf x 26 inch.....	Per pair,	.70
$1\frac{1}{2}$ " x 3 " x 28 "	"	1.25

WISCONSIN BOLSTER SPRINGS.



Springs to carry over 8000 pounds furnished on short notice.

Width.	No. Leaf.	Springs to Carry.	Per Set.
1 $\frac{1}{4}$	4	1000 lbs.	\$10.00
1 $\frac{1}{2}$	5	1500 "	11.00
1 $\frac{3}{4}$	4	2000 "	12.00
1 $\frac{3}{4}$	5	2500 "	13.00
2	5	3000 "	13.50
2	6	4000 "	14.00
2	7	5000 "	15.00
2 $\frac{1}{2}$	8	8000 "	25.00

These Springs are in every way superior to anything now on the market. They are the most Elastic and most Durable. In ordering Springs of greater carrying capacity than are listed here, give the length between standards, the width of your bolster and thickness of standard.

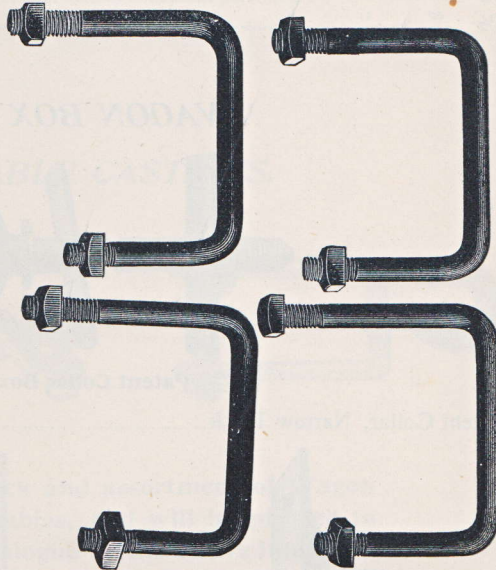
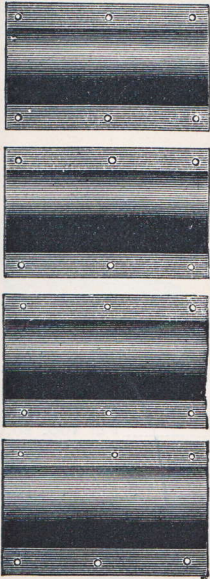
RUBBER WAGON SPRINGS.

1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 1 $\frac{3}{4}$ and 2 inches thick.....Per lb., .25

CAST BOB SHOES.

Cast Bob Shoes, Wright Bend, all sizes.....Per lb., .02

Stock Sizes, 36, 38, 39, 40, 42, 44, 46, 48 inches.

THE MANDT STEEL OSCILLATING BOB KNEE.

Eclipses anything in the shape of a Steel Knee on the face of the earth. It makes the lightest, the strongest and the easiest running sleigh in the world.

It is simple in construction and is easier built than any other sleigh, and at the price that the Steel Knee is placed on the masket, there is no reason why a blacksmith or wagon shop cannot control the local home trade, against any competition from abroad.

A set consists of four Steel Knees, four Staples or Hinges and four Plates for Beam.

Mandt's Steel Oscillating Bob KneesPer set, \$3.00

WAGON HARDWARE.

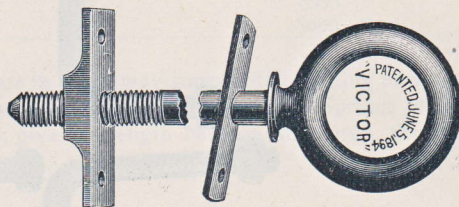
WAGON BOX STRAP BOLTS.

Size.	Per Set of Eight Bolts.	List.
$\frac{7}{16}$ X 10 inches.....	Per set, \$	.80
$\frac{1}{2}$ X 12 ".....	"	.85
$\frac{9}{16}$ X 10 ".....	"	.85
$\frac{9}{16}$ X 12 ".....	"	.95
$\frac{9}{16}$ X 14 ".....	"	1.05
$\frac{5}{8}$ X 12 ".....	"	1.15
$\frac{5}{8}$ X 14 ".....	"	1.30
$\frac{5}{8}$ X 16 ".....	"	1.45

WROUGHT IRON BOLSTER PLATES.

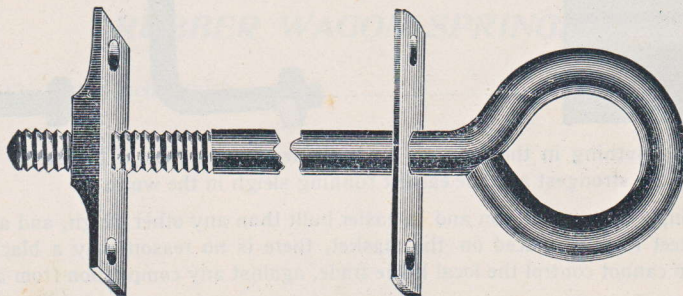
$2\frac{3}{4}$ inches in width.....	Per pair, \$	.65
3 " ".....	"	.70
$3\frac{1}{4}$ " ".....	"	.75
$3\frac{1}{2}$ " ".....	"	.80

WAGON BOX RODS.



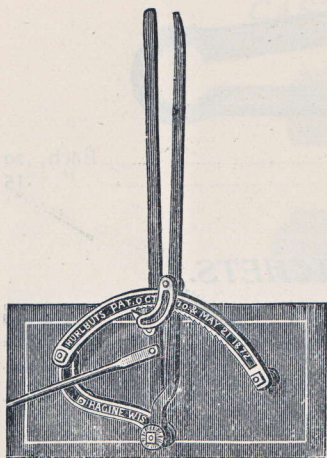
Patent Collar Box Rods.

Patent Collar, Narrow Track.....	Per 100, \$8.00
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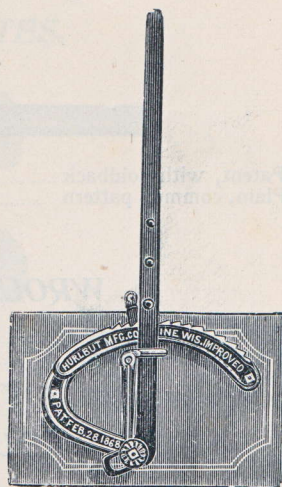


Common Box Rods.

Common Collar, Narrow Track.....	Per 100, \$7.00
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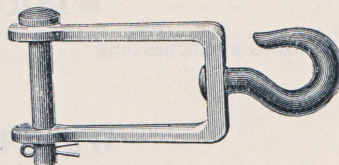
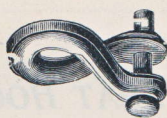
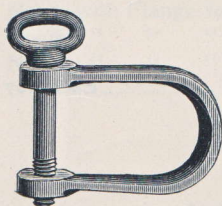
HURLBUT WAGON BRAKE LOCKS.

Double Lever Lock.



Single Lever Lock.

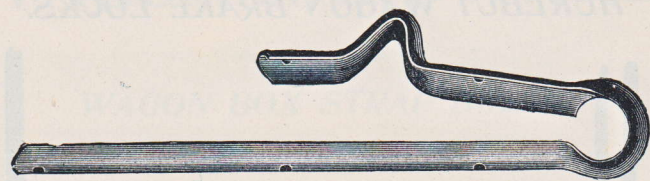
Hurlbut's Double Lever Brake Locks	Each,	.75
“ Single “ “ “ “	“	.75

MALLEABLE CASTINGS.

We have a large stock and assortment of Wagon and Carriage Malleables, and will be pleased to send Illustrated Catalogue of the entire line upon application.

Common Malleables .....	.07
Carriage Malleables .....	.07
Wagon Malleables .....	.07
Clevises .....	.06
Long Shank Steps .....	.08
Core Castings .....	.08

WROUGHT POLE CAPS.

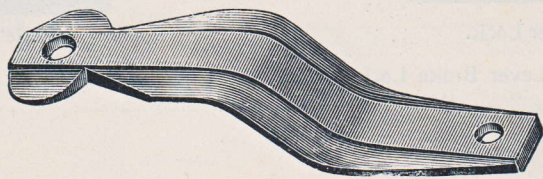


Patent, with holdback Each, .20
Plain, common pattern " .15

WROUGHT BRAKE RATCHETS.

Patent, with guard Each, .30
Plain, without guard " .15

WROUGHT HAMMER STRAPS.

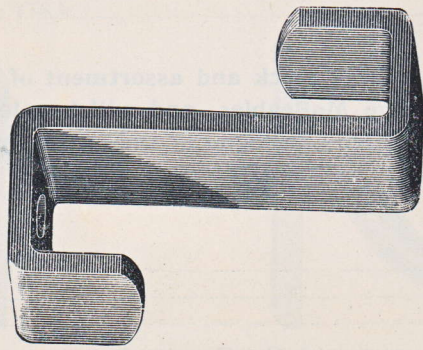


Light Pattern Each, .09
Heavy " " .10

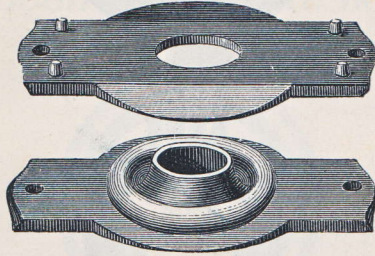
WROUGHT RUB IRONS.

2½ inches x 5 inches long Each, .07

WROUGHT SEAT HOOKS.

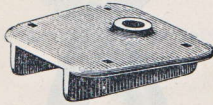


No. 7, 2½ inches long, inside measure Per lb., .07
No. 8, 3 " " " " " .07

CAST BOLSTER PLATES.

Improved.

No. 1, 10 inches long, weight 8½ lbs	Per pair, .....	.35
No. 2, 10¾ " " " 11½ " .....	" .....	.45

CAST REACH PLATES.

No. 1, with Flange for 2x3 Reach	Each,30
No. 2, " " " 2x4 "	"35
No. 3, " " " 2x4½ "	"40

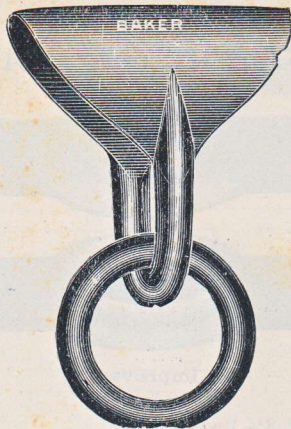
WROUGHT COUPLING PLATES.

Per pair45
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WROUGHT STEEL FELLOE PLATES.

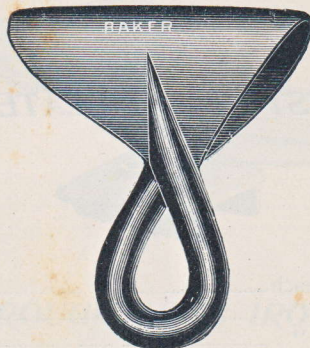
Plates for ⅞ to 1¼ inch Rims	Per lb.,10
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Center Clips.



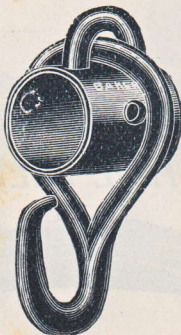
With Ring.

9	inch, with Ring, welded	Each,	.08
16	“ “ “	“	.09
58	“ “ “	“	



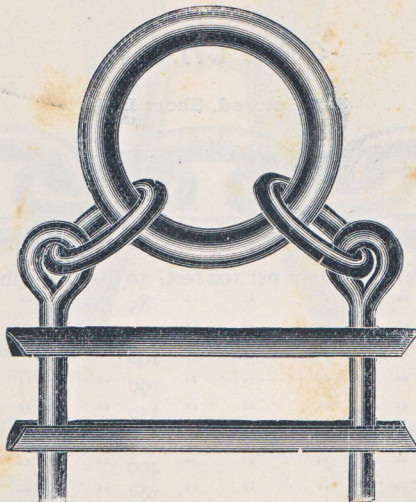
Twisted.

1 1/8	inch Twisted, welded.....	Each,	.07
5/8	“ “ “.....	“	.08
1 1/8	“ Flat, straight.....	“	.06
5/8	“ “ “.....	“	.07



1 1/4	inch Ferrule,	3/8	Iron Hook.....	Each,	.06
1 3/8	"	"	".....	"	.06

WROUGHT NECKYOKE IRONS.



Neckyoke Center Irons.

$\frac{9}{16}$ Ring with Hooks and Plates Each, .20

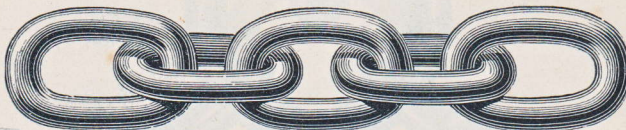
FERRULES AND RINGS.



1 $\frac{3}{8}$ inch Ferrule with large Ring Each, .06

COIL CHAIN.

Self-Colored, Short Link.



inch,	average weight per 100 feet,	50 lbs.,	Per lb.,	
$\frac{3}{16}$	"	"	"	.13
$\frac{1}{4}$	"	"	"	.10
$\frac{5}{16}$	"	"	"	.09
$\frac{3}{8}$	"	"	"	.08
$\frac{7}{16}$	"	"	"	.07½
$\frac{1}{2}$	"	"	"	.07½
$\frac{9}{16}$	"	"	"	.07¼
$\frac{5}{8}$	"	"	"	.07
$\frac{3}{4}$	"	"	"	.07

LOG CHAIN.

With Two Hooks and Swivel.

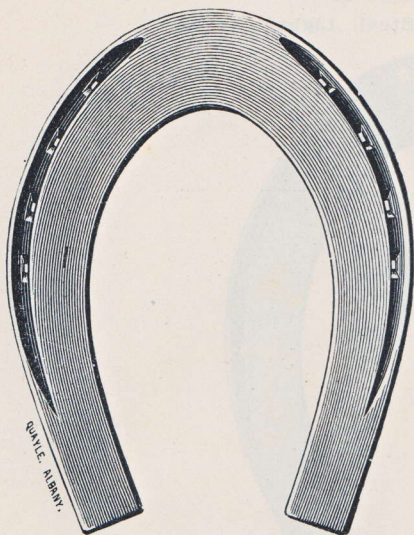
inch,	10, 12 or 14 foot	Per lb.,	
$\frac{1}{4}$	"	.11	
$\frac{1}{2}$	"	.10	
$\frac{3}{4}$	"	.09	

STEEL HARROW TEETH.

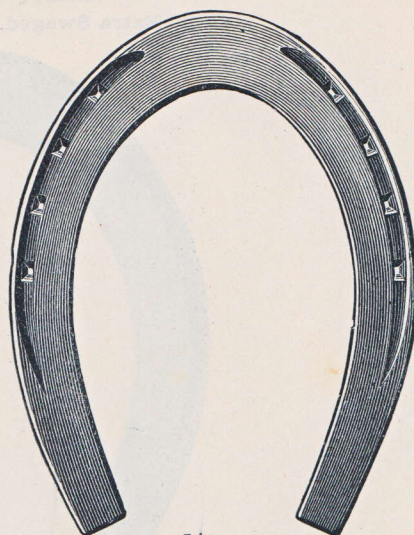
Square Steel, $\frac{1}{2} \times 9$, not headed Per lb., .03½

BURDEN'S IRON HORSE SHOES==Light and Medium.

Packed in Kegs containing Single or Assorted Sizes.

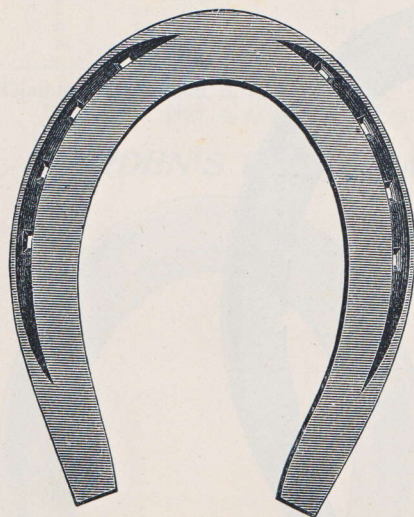


Burden Light Front.



Burden Light Hind.

Sizes, Nos. 1 to 7, front and hind..... Per keg, \$5.00

PHOENIX IRON HORSE SHOES==Light and Medium.

Phoenix Light Front.

WEIGHT OF EACH SHOE.

Front Size.	Light.	Medium.
No. 1.	14 oz.	1 lb., 1 oz.
" 2.	1 lb., 1 oz.	1 lb., 4 oz.
" 3.	1 lb., 5 oz.	1 lb., 9 oz.
" 4.	1 lb., 9 oz.	1 lb., 13 oz.
" 5.	1 lb., 14 oz.	2 lb., 3 oz.
" 6.	2 lb., 4 oz.	2 lb., 10 oz.



Phoenix Light Hind.

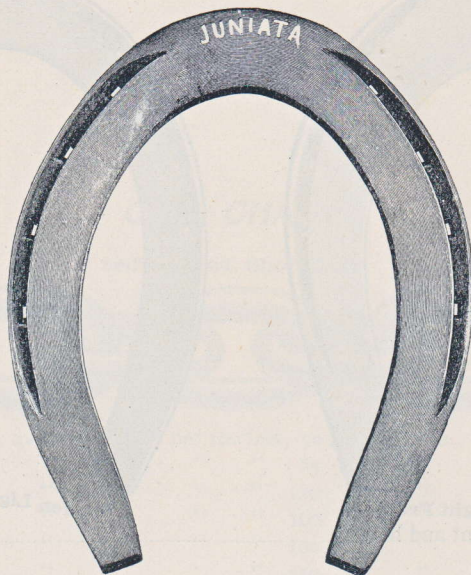
WEIGHT OF EACH SHOE.

Hind Size.	Light.	Medium.
No. 1.	12 oz.	14 oz.
" 2.	14 oz.	1 lb., 00 oz.
" 3.	1 lb., 2 oz.	1 lb., 4 oz.
" 4.	1 lb., 6 oz.	1 lb., 8 oz.
" 5.	1 lb., 11 oz.	1 lb., 13 oz.
" 6.	1 lb., 15 oz.	2 lb., 2 oz.

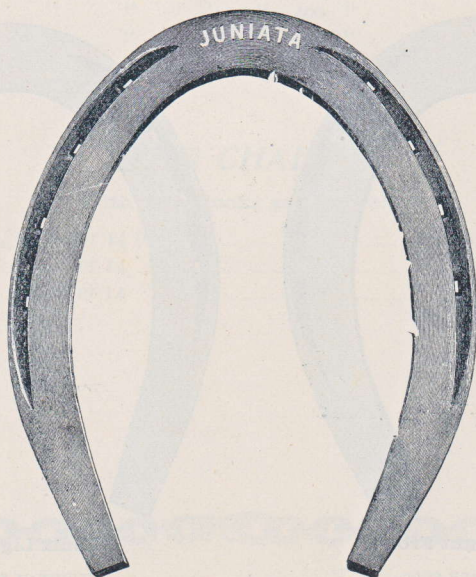
Phoenix, Nos. 1 to 6, front and hind..... Per keg, \$5.00

SHOENBERGER'S STEEL HORSE SHOES.

Extra Swaged. Soft Steel. Light.



Shoenberger's Light Front.



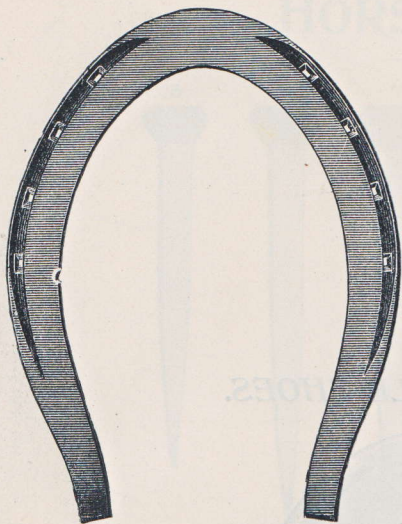
Shoenberger's Light Hind.

No. 1 Front.....	12½ ounces.	No. 1 Hind	10 ounces..
2 ".....	15½ "	2 ".....	12½ "
3 ".....	18½ "	3 ".....	16 "
4 ".....	23½ "	4 ".....	20 "
5 ".....	27½ "	5 ".....	25 "
6 ".....	33½ "	6 ".....	30 "

Shoenberger's Steel, Nos. 1 to 6, front and hind..... Per keg, \$5.00

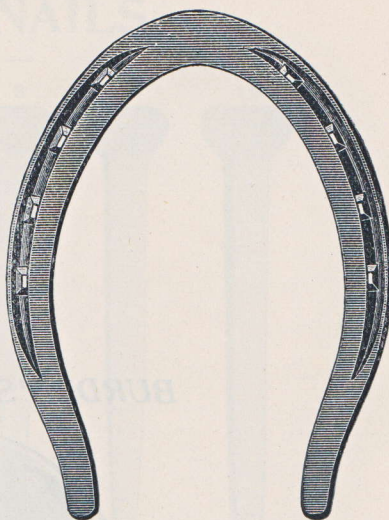
DIAMOND STATE HORSE SHOES.

EXTRA LIGHT STEEL.



Extra Light Steel Front.

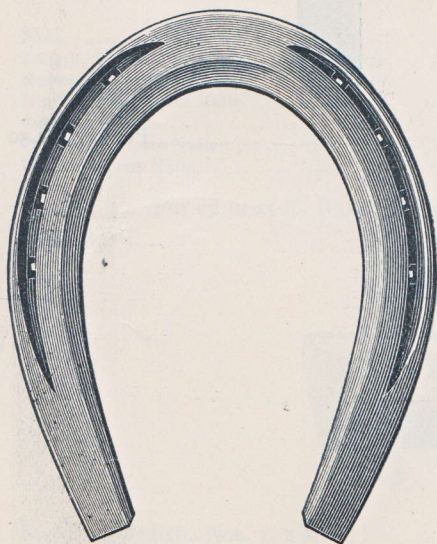
Size.	Weight of Each Front Shoe.	Average Number in Each Keg.
No. 0.	10 ounces.	160
" 1.	12 "	133
" 2.	14 "	114
" 3.	17 "	94
" 4.	20 "	80



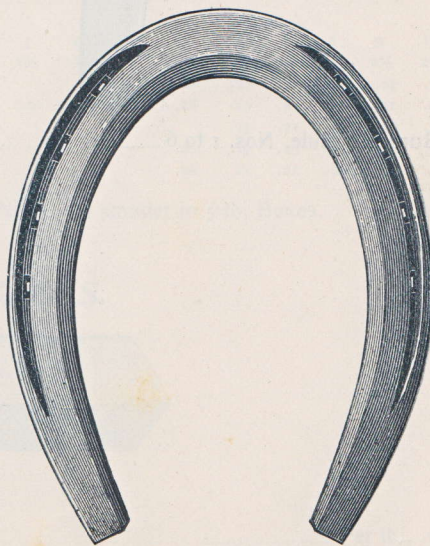
Extra Light Steel Hind.

Size.	Weight of Each Hind Shoe.	Average Number in Each Keg.
No. 0.	8 ounces.	200
" 1.	9 "	177
" 2.	10 "	160
" 3.	12 "	133
" 4.	15 "	106

Diamond State, Nos. 0, 1 and 2 Hind Per keg, \$6.00
 " " Nos. 0, 1, 2, 3 and 4 Front and Nos. 3 and 4 Hind " 5.50

BURDEN'S EASY ROADSTER OR SNOW SHOE.

Burden Easy Front.



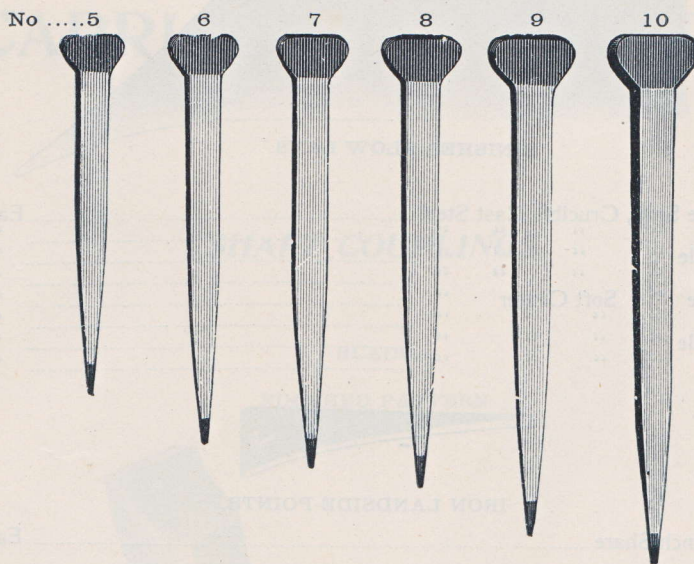
Burden Easy Hind.

Sizes, Nos. 1 to 6, Front and Hind Per keg, \$4.00

BURDEN'S MULE SHOES.

Burden's Mule, Nos. 1 to 6..... Per keg, \$4.50

HORSE NAILS.



Nutwood Horse Nails are the Best and Cheapest.

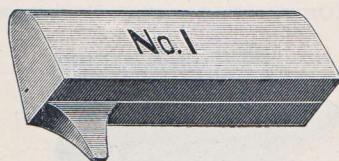
Have you had them? If not, we can prove to your satisfaction that they are the best material, the best driving, the best Horse Nails, for anything like the money, in the market. We ask you to order a sample box, and if your experience does not commend them, you may return them at our expense.

ORDER THE NUTWOOD HORSE NAILS.

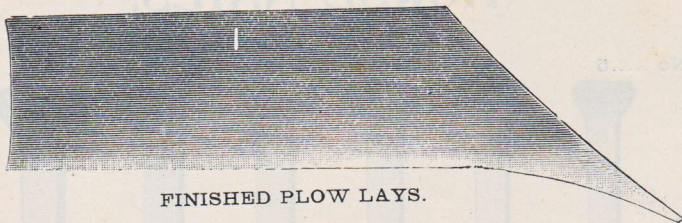
Nos.....	2	3	4	4½	5	6	7	8	9	10
Length.....	1½	1¾	1¾	1¾	2	2¼	2¼	2½	2½	2¾
Nutwood Horse Nails.....	Per lb.				.28	.27	.26	.25	.24	.23
Northwestern Horse Nails.....	2.00	1.00	.50	.35	.28	.25	.23	.22	.21	.20
Star Horse Nails.....						.23	.21	.20	.19	.18
"C. B. K." Horse Nails.....					.28	.25	.23	.22	.21	.20
Putnam Horse Nails.....					.26	.23	.21	.20	.19	.18

Put up in 25-lb. Boxes, except No. 5 and smaller in 5-lb. Boxes.

TOE CALKS.



Sweet's Swedish, Nos. 1, 2 and 3.....	Per lb.,	.13
Sweet's American, Nos. 1, 2 and 3.....	"	.11
Sweet's Bessemer, Nos. 1, 2 and 3.....	"	.09
Gautier's American, Nos. 1, 2 and 3.....	"	.08

PLOW LAYS, ETC.**FINISHED PLOW LAYS.**

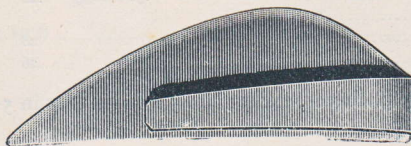
14-inch Single Shin, Crucible Cast Steel	.....	Each, .85
16-inch " " " " " "	.....	" 1.00
14-inch Double " " " " " "	.....	" 1.17
16-inch " " " " " "	.....	" 1.35
14-inch Single " Soft Center " "	.....	" 1.22
16-inch " " " " " "	.....	" 1.35
14-inch Double " " " " " "	" 1.47
16-inch " " " " " "	" 1.65

**IRON LANDSIDE POINTS.**

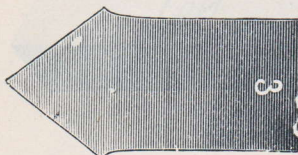
For 14 or 16-inch Share	Each, .15
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**STEEL LANDSIDES.**

14-inch Crucible Steel	Each, .50
16-inch " " " " " "	" .60
14-inch Soft Center Steel	" .85
16-inch " " " " " "	.....	" .95

**IDEAL PLOW POINTS.**

No. 1 Small, ready to weld on	.....	Per dozen, .70
No. 2 Large, " " " " " "	.....	" .85

**CULTIVATOR SHOVELS--NO HOLES.**

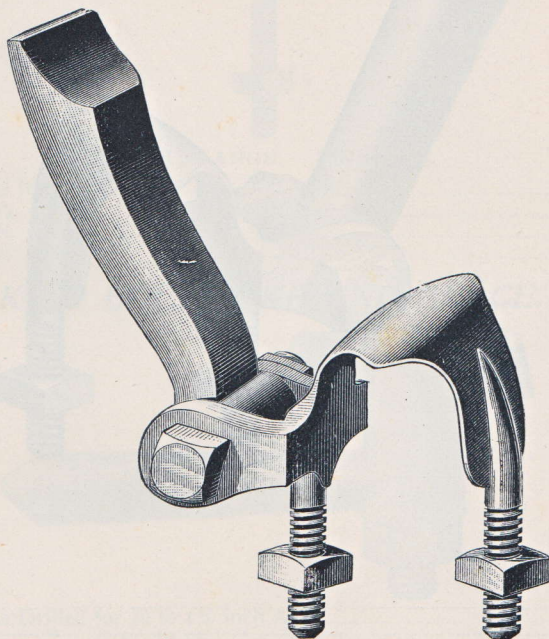
Crucible Steel	.....	Each, .40
Soft Center Steel	.....	" .55

CARRIAGE HARDWARE.

SHAFT COUPLINGS.

BLACK.

FINISHED PATTERN.



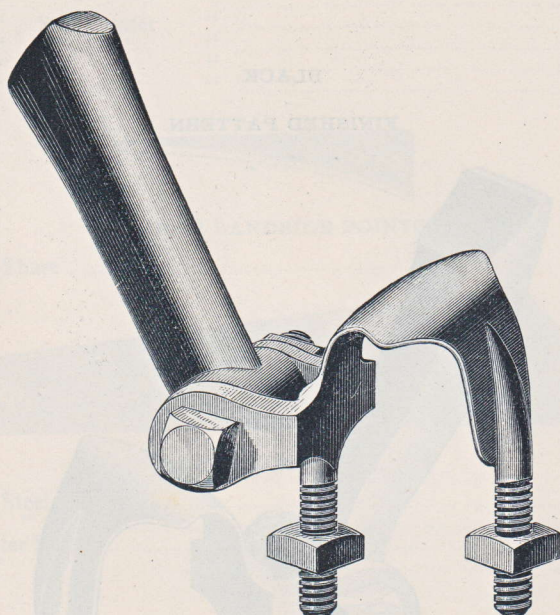
MADE OF BEST NORWAY IRON.

Size.	Diameter of Bolt.	Per Dozen Pair.
$\frac{7}{8}$ inch.	$\frac{5}{16}$ Bolt.	\$ 6.50
1 " "	$\frac{3}{8}$ " "	7.00
$1\frac{1}{8}$ " "	$\frac{7}{16}$ " "	8.50
$1\frac{1}{4}$ " "	$\frac{1}{2}$ " "	12.00
$1\frac{1}{2}$ " "	$\frac{5}{8}$ " "	16.00

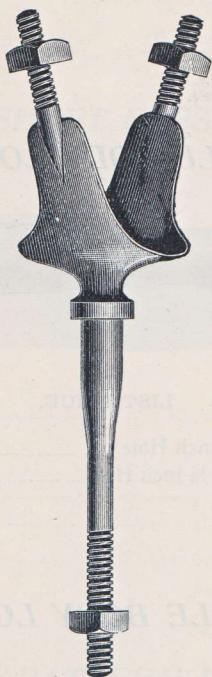
POLE COUPLINGS.

BLACK.

FINISHED PATTERN.

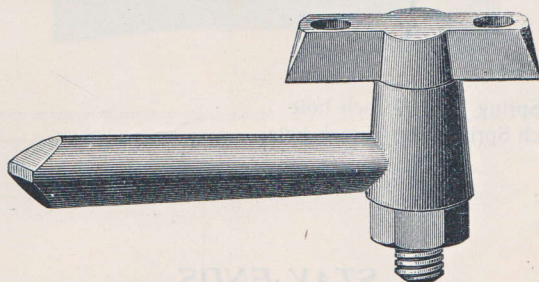


Size.	Per Dozen Pair.
$\frac{7}{8}$ inch.....	\$ 7.00
1 ".....	7.50
$1\frac{1}{8}$ ".....	9.00
$1\frac{1}{4}$ ".....	12.00
$1\frac{1}{2}$ ".....	16.00

CLIP KING BOLTS.

WITH FLANGE. FINISHED.

No. 1, Finished, $\frac{1}{2}$ inch at Collar	Per dozen, \$4.00
No. 2, " $\frac{9}{16}$ " "	" 4.50
No. 3, " $\frac{7}{8}$ " "	" 5.50
No. 4, " $\frac{3}{4}$ " "	" 6.50

KING BOLT YOKE AND BRACE.

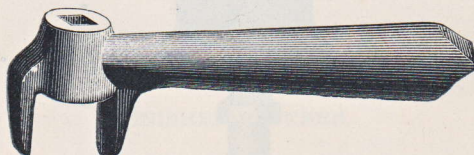
No. 1 Light, Holes Drilled for $\frac{7}{8}$ to $1\frac{1}{4}$ inch Axle	Per dozen, \$3.00
No. 2 Heavy, " " 1 to $1\frac{1}{2}$ " "	" 4.00

WROUGHT IRON CLIP YOKES.

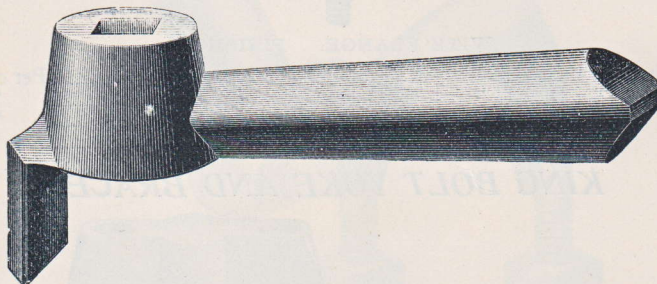
Bevel Corners.



For $\frac{5}{8}$ inch Clips—Distance between Holes, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ inches.....	Per lb., .10
For $\frac{3}{8}$ inch Clips—Distance " " $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ inches.....	" .10

DOUBLE BODY LOOPS.**LIST PRICE.**

For $\frac{7}{8}$ and 1 inch Spring Bar, $\frac{1}{8}$ inch Hole.....	Per dozen, \$1.80
For $1\frac{1}{8}$ and $1\frac{1}{4}$ inch Spring Bar, $\frac{3}{8}$ inch Hole.....	“ 2.00

SINGLE BODY LOOPS.

For $\frac{7}{8}$ and 1 inch Spring Bar, $\frac{1}{8}$ inch hole	Per dozen, \$1.50
For $1\frac{1}{8}$ and $1\frac{1}{4}$ inch Spring Bar, $\frac{3}{8}$ inch hole	“ 1.70

STAY ENDS.

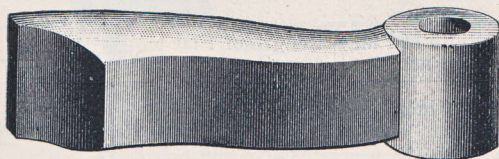
No. 1, Norway Iron, for $\frac{7}{8}$ inch Stay.....	Per dozen, \$2.50
No. 1, “ “ for $\frac{1}{2}$ “ “	“ 2.75

OFFSETS.

No. 2, Norway Iron, for $\frac{7}{8}$ inch Stay.....	Per dozen, \$1.80
No. 2, “ “ for $\frac{1}{2}$ “ “	“ 2.00
No. 2, “ “ for $\frac{9}{16}$ “ “	“ 2.20

SHAFT EYES.

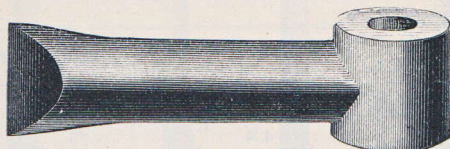
BLACK.



$\frac{7}{8}$ inch for $\frac{5}{16}$ inch Bolt	Per dozen pair, \$3.50
1 " for $\frac{3}{8}$ or $\frac{7}{16}$ inch Bolt	" 4.00
$1\frac{1}{8}$ " for $\frac{7}{16}$ inch Bolt	" 4.50
$1\frac{1}{4}$ " for $\frac{7}{16}$ " "	" 5.50
$1\frac{1}{2}$ " for $\frac{7}{16}$ " "	" 7.00

REVERSED PATTERN POLE EYES.

BLACK.



No. 331, 1 inch	Per dozen pair, \$5.00
No. 332, $1\frac{1}{8}$ "	" 5.50
No. 333, $1\frac{1}{4}$ "	" 7.00
No. 334, $1\frac{1}{2}$ "	" 8.00

REACH OR PERCH PLATES.

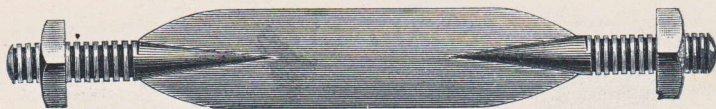
FOR SINGLE REACH.

No. 1, for $1\frac{1}{4}$ inch Spring and No. 1 King Bolt	Per dozen, \$7.50
No. 2, for $1\frac{1}{4}$ " " " No. 2 " "	" 7.50
No. 3, for $1\frac{3}{8}$ " " " No. 2 " "	" 7.50
No. 4, for $1\frac{1}{2}$ " " " No. 3 " "	" 7.50

For Double Reach, same price.

SUPERIOR AXLE CLIPS.

MADE OF NORWAY IRON.

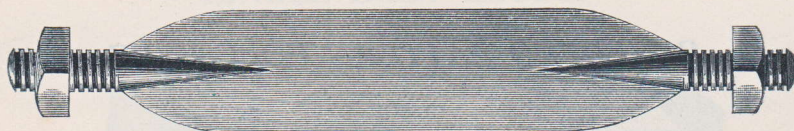


No.	Width of Flat Part.	Length of Flat Part.	Size of Shank.	Price per dozen.
00.	$\frac{7}{8}$ inch.	$2\frac{1}{2}$ inches.	$\frac{5}{16}$ inch.	\$ 0.70
0.	$\frac{7}{8}$ "	$2\frac{3}{4}$ "	$\frac{5}{16}$ "	0.70
1.	$\frac{7}{8}$ "	$3\frac{1}{4}$ "	$\frac{5}{16}$ "	0.70
2.	$\frac{7}{8}$ "	$3\frac{3}{4}$ "	$\frac{5}{16}$ "	0.75
3.	$\frac{7}{8}$ "	$4\frac{1}{4}$ "	$\frac{5}{16}$ "	0.80
4.	$\frac{7}{8}$ "	$4\frac{3}{4}$ "	$\frac{5}{16}$ "	1.00
5.	$\frac{7}{8}$ "	$5\frac{1}{4}$ "	$\frac{5}{16}$ "	1.10
6.	$\frac{7}{8}$ "	6 "	$\frac{5}{16}$ "	1.30

Packed in Boxes of four dozen each.

WAGON AXLE CLIPS.

MADE OF NORWAY IRON.



No.	Width of Flat Part.	Length of Flat Part.	Size of Shank.	Price per dozen.
2.	$\frac{7}{8}$ inch.	$3\frac{3}{4}$ inches.	$\frac{3}{8}$ inch.	\$ 1.20
3.	$\frac{7}{8}$ "	$4\frac{1}{4}$ "	$\frac{3}{8}$ "	1.30
4.	$\frac{15}{16}$ "	$4\frac{3}{4}$ "	$\frac{3}{8}$ "	1.40
5.	1 "	$5\frac{1}{4}$ "	$\frac{3}{8}$ "	1.50
6.	$1\frac{1}{8}$ "	6 "	$\frac{3}{8}$ "	1.60

Packed in Boxes of four dozen each.

SPRING BAR CLIPS.

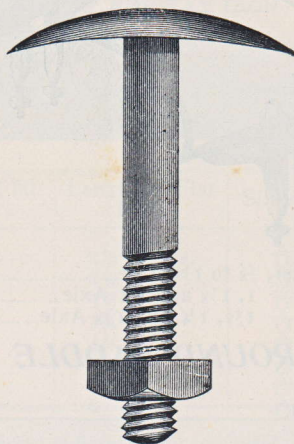
MADE OF NORWAY IRON.



No.	Width of Flat Part.	Length of Flat Part.	Size of Shank.	Price per dozen.
0.	$\frac{5}{8}$ inch.	$4\frac{1}{2}$ inches.	$\frac{5}{16}$ inch.	\$ 1.00
1.	$\frac{5}{8}$ "	$4\frac{3}{4}$ "	$\frac{5}{16}$ "	1.15
2.	$\frac{5}{8}$ "	$5\frac{1}{4}$ "	$\frac{5}{16}$ "	1.22
3.	$\frac{5}{8}$ "	$5\frac{3}{4}$ "	$\frac{5}{16}$ "	1.30
4.	$\frac{5}{8}$ "	$6\frac{3}{8}$ "	$\frac{5}{16}$ "	1.45
5.	$\frac{5}{8}$ "	7 "	$\frac{5}{16}$ "	1.65
6.	$\frac{5}{8}$ "	$7\frac{3}{4}$ "	$\frac{5}{16}$ "	1.85

T HEAD SHAFT BOLTS.

NORWAY IRON.

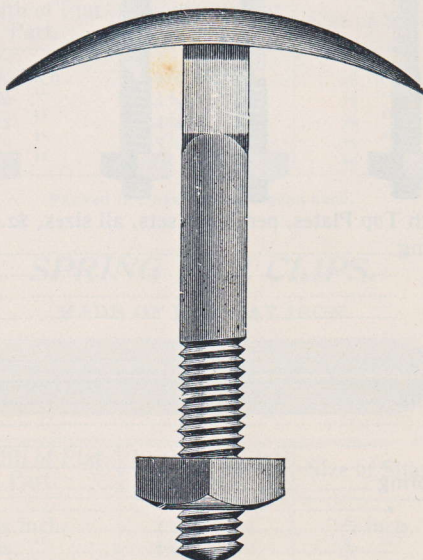


$\frac{1}{4}$ x 1	Per 100, \$3.00
$\frac{1}{4}$ x $1\frac{1}{4}$	" 3.10
$\frac{1}{4}$ x $1\frac{1}{2}$	" 3.20
$\frac{1}{4}$ x $1\frac{3}{4}$	" 3.30
$\frac{1}{4}$ x 2	" 3.40
$\frac{1}{4}$ x $2\frac{1}{4}$	" 3.50
$\frac{1}{4}$ x $2\frac{1}{2}$	" 3.60

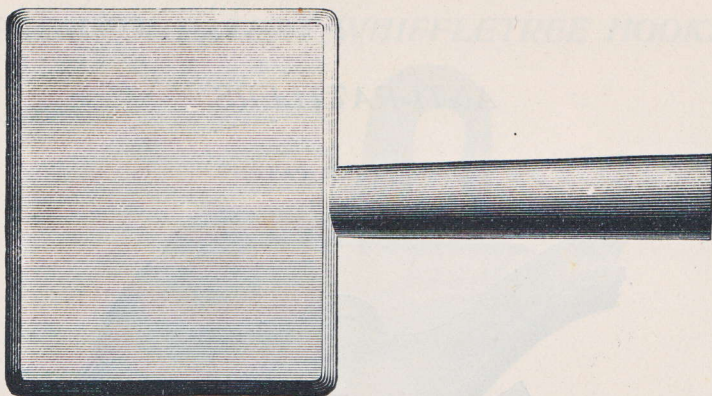
WHIFFLETREE BOLTS.

BLACK BENT PATTERN.

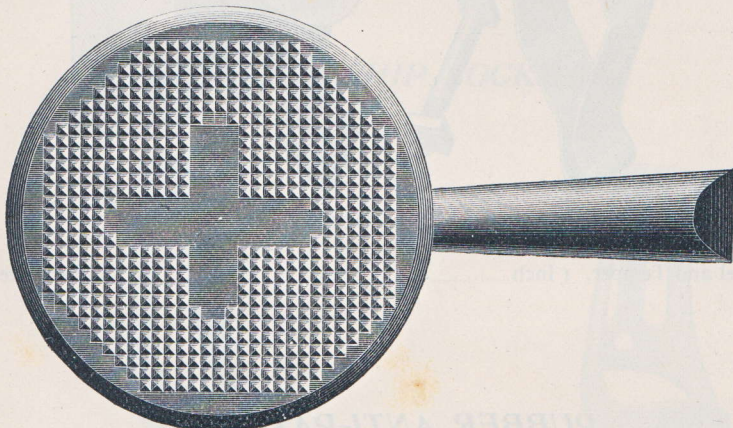
Round Under Head. Made of the Best Norway Iron.



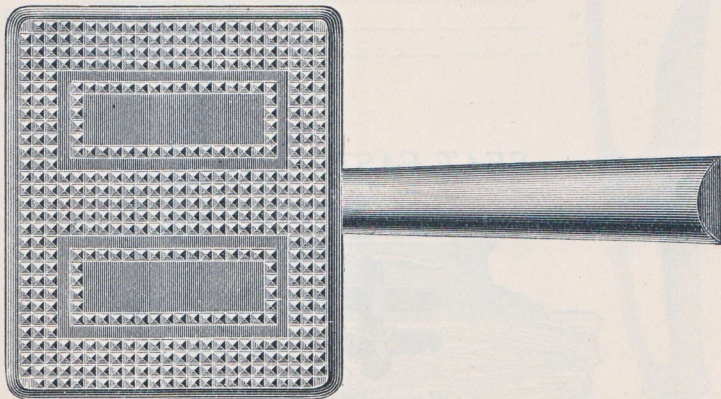
$\frac{5}{16}$ inch diameter, 3 inches long	Per 100, \$6.00
$\frac{3}{8}$ " " " $3\frac{1}{2}$ " "	" 6.50
$\frac{1}{2}$ " " " 4 " "	" 7.00
$\frac{5}{8}$ " " " $4\frac{1}{2}$ " "	" 7.50

WROUGHT IRON STEP PADS.

No. 1, Plain Square Pattern, 3 x 3¼ inches	.....	Per dozen pairs, \$4.50
No. 2, " " " 3¼ x 4 "	.....	" 5.25
No. 3, " " " 4 x 4¾ "	.....	" 7.75



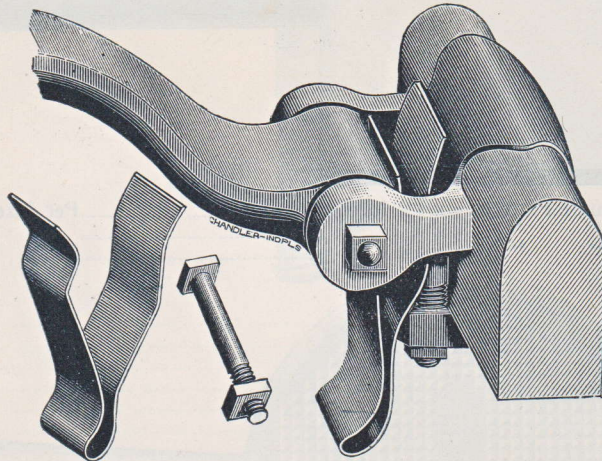
No. 2, Round Cross Pattern, 4 inches in diameter	.....	Per dozen pair, \$6.50
No. 3, " " " 4½ " "	.....	" 7.50



No. 1, Atwater Pattern, 3 x 3¼	.....	Per dozen pairs, \$5.75
No. 2, " " 3¼ x 4	.....	" 6.25
No. 3, " " 4 x 4¾	.....	" 9.00

ANTI-RATTLERS.

MURBARGER'S PATENT.



FAMOUS.

Best Steel and Temper, 1 inch..... Per dozen, \$1.50

RUBBER ANTI-RATTLERS.

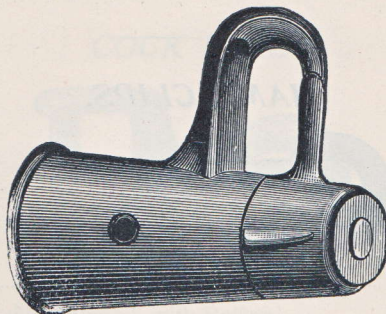
$\frac{7}{8}$ inch, Best Solid Rubber.....	Per dozen, .75
I " " " " ".....	" .75
I $\frac{1}{8}$ " " " " ".....	" .75
I $\frac{1}{4}$ " " " " ".....	" .75

SEAT FASTENERS.

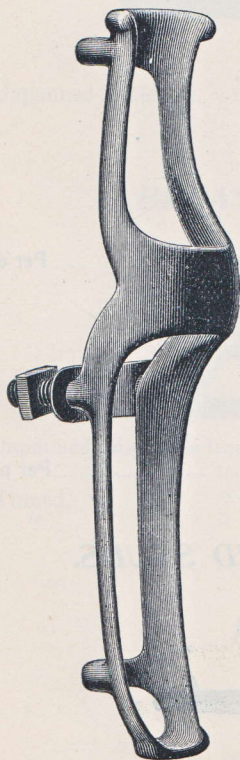
LAMB'S PATENT.



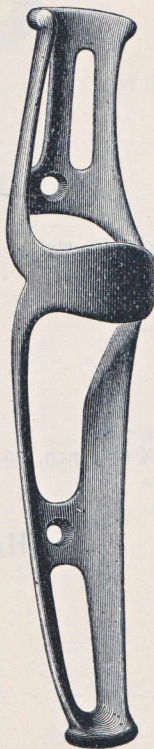
Lamb's Seat Fasteners Per dozen sets, \$2.00

PREMIUM PATENT WHIFFLETREE HOOKS.

Nos	1	2	3	4	5	6
Sizes, inches	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
Per dozen pairs	\$5.00	5.00	5.75	6.50	7.50	8.50

BUFFALO WHIP SOCKETS.

For Leather Dash.

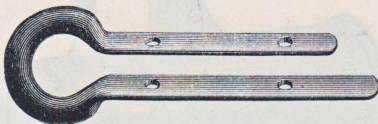


For Wood Dash.

Buffalo Whip Socket for Leather Dash, Japanned.....	Per dozen, \$1.20
“ “ “ “ Wood “ “	“ 1.10

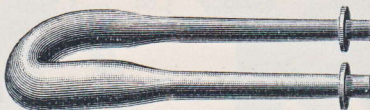
HARNESS HARDWARE.

HAME CLIPS.



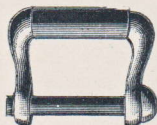
$\frac{3}{8}$ inch Polished..... Per dozen, .20

HAME STAPLES.



$\frac{3}{8}$ inch Polished, with Washers..... Per dozen, .20

HAME LOOPS.



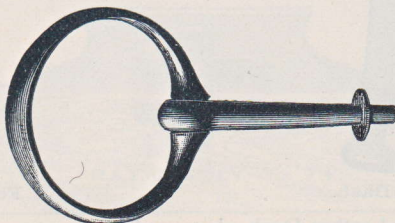
Polished, with Rivets..... Per dozen, .20

HAME RIVETS.

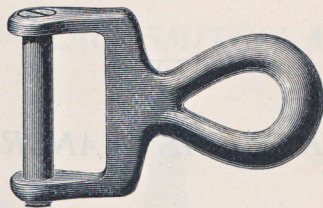


Polished, $\frac{7}{8}$ or 1 inch, packed in 1-pound papers..... Per pound, .15

HAME LINE RINGS AND STUDS.



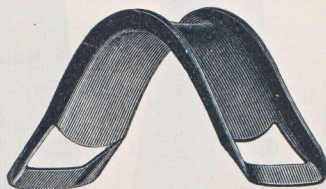
Polished, with Washers..... Per dozen, .20

COCK EYES.

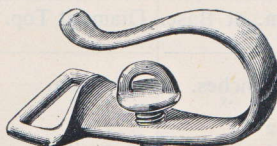
1 1/4 inch, Japanned Malleable, Screwed, with Rollers.....	Per dozen, .28
1 1/2 " " " " " ".....	" .30
1 3/4 " " " " " ".....	" .35

CLIP COCK EYES.

1 1/2 inch, Japanned Malleable, with Clip.....	Per dozen, .50
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BREAST STRAP SLIDES.

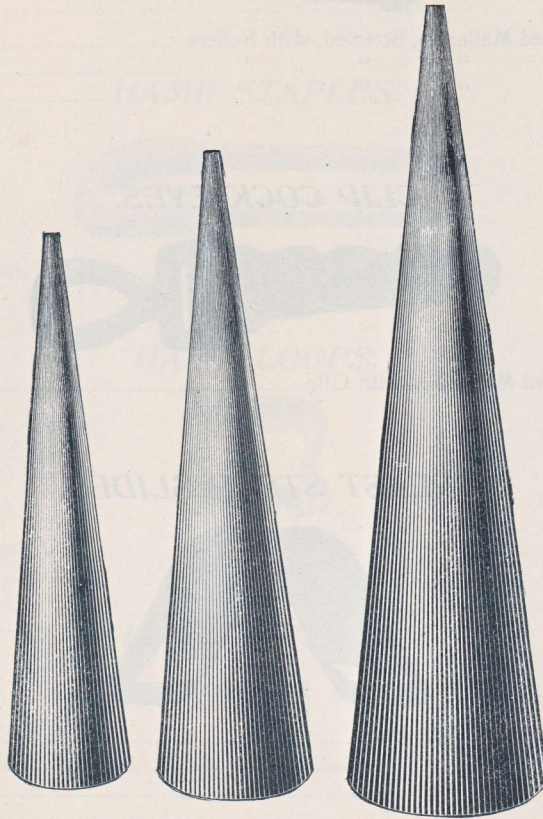
1 1/2 inch, Japanned, Malleable Iron.....	Per dozen, .50
1 3/4 " " " " " ".....	" .60
1 1/2 " Tinned, " " " ".....	" .60
1 3/4 " " " " " ".....	" .70

PAD HOOKS.

No. 180G, 1 1/4 inch, Tinned, with Loop Bolt.....	Per dozen, .65
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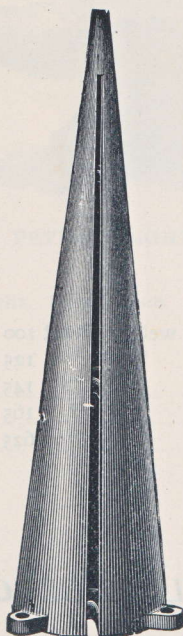
BLACKSMITH TOOLS.

BLACKSMITHS' MANDRELS.



CAST IRON.

Size.	Height.	Diam. at Base.	Diam. at Top.	Weight.	Per lb.
1	32 inches.	8 inches.	1 inch.	About 55 lbs.	.05
1½	40 "	10 "	1 "	" 90 "	.05
2	48 "	12 "	1 "	" 115 "	.05
3	52 "	14 "	1 "	" 140 "	.05
4	54 "	16 "	2 "	" 200 "	.05

CHENEY'S BLACKSMITHS' MANDRELS.

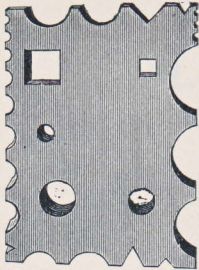
CAST IRON.

These Mandrels are made with a Slot as shown in Cut, which is very convenient for holding end of Iron in bending Rings. They are strengthened with Ties inside the Slot. The Slot is also convenient for handling Rings with Tongs.

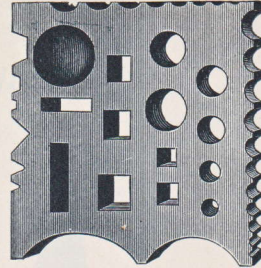
Size.	Height.	Diam. at Base.	Diam. at Top.	Weight.	Per lb.
1	32 inches.	8 inches.	1 inch.	About 60 lbs.	.06
1½	40 "	10 "	1 "	" 100 "	.06
2	48 "	12 "	1 "	" 125 "	.06
3	52 "	14 "	1 "	" 150 "	.06
4	54 "	16 "	2 "	" 220 "	.06

SWAGE BLOCKS.

CAST IRON.



Shape of Nos. 1, 2 and 3.



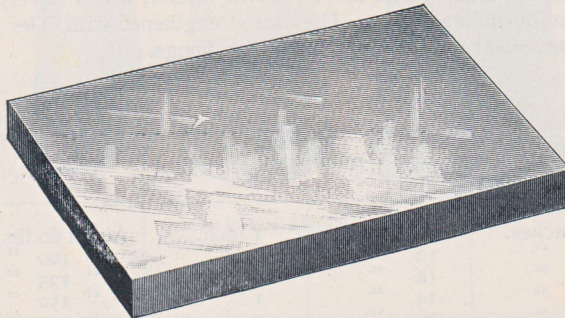
Shape of Nos. 4 and 5.

No. 1,	measures	$3\frac{7}{8}$ x 10 x 14 inches,	weighs about	100 lbs.	Per lb.,	.05
No. 2,	"	$3\frac{7}{8}$ x 11 x 15	"	"	"	.05
No. 3,	"	$4\frac{1}{8}$ x 11 x 15	"	"	"	.05
No. 4,	"	4 x 15 x 15	"	"	"	.05
No. 5,	"	6 x 24 x 24	"	"	"	.05

LEVELING BLOCKS.

CAST IRON.

Especially Intended for Plow Work.

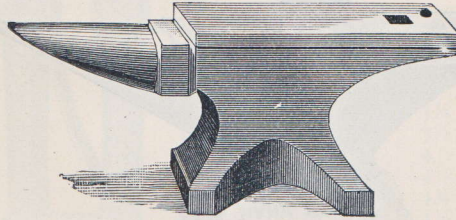


These Blocks are made of Superior Pig Iron and are accurately planed on one side. To ascertain the weight, figure 1 pound to 4 cubic inches.

We can furnish them as follows :

$1\frac{1}{2}$ to 3 inches thick	} Per lb., .05
14 to 24 inches wide	
18 to 30 inches long	

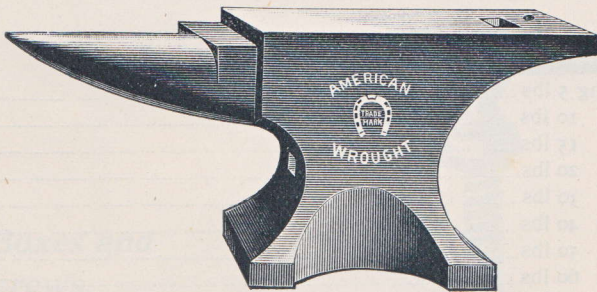
ANVILS.



PETER WRIGHT'S.

Solid Wrought. Steel Face. Not Warranted.

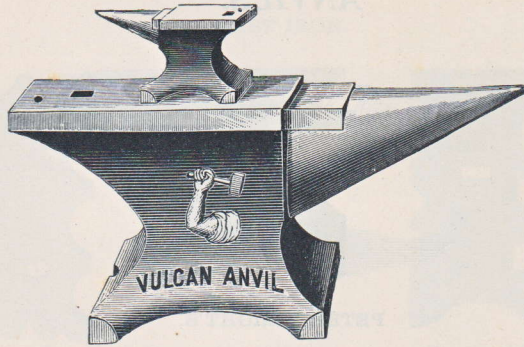
60 to 69 lbs.....	Per lb., .13½
70 to 84 lbs.....	“ .12½
85 to 160 lbs.....	“ .11½



AMERICAN WROUGHT. WARRANTED.

Made of the best American Wrought Iron, and faced with best Crucible Cast Steel. Top and bottom are each one solid piece and welded at waist. American Wrought Anvils are warranted to be sound, to be free from flaws, and to have faces hard and true.

60 to 69 lbs.....	Per lb., .12½
70 to 84 lbs.....	“ .11½
85 to 160 lbs.....	“ .10½



VULCAN ANVIL.

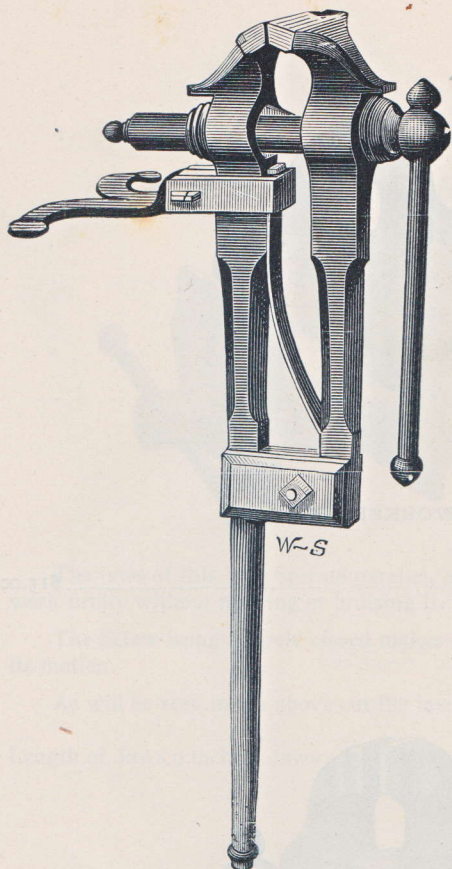
The face of the Vulcan Anvil is one solid piece of English Tool Steel, thoroughly welded to the body of the Anvil by a patented process. It is then accurately ground and tempered, so it will stand the most severe test.

The Horn is covered with, and its extremity made entirely of, tough, untempered Cast Steel.

The Body of the Anvil is made of the best Lake Superior Charcoal Iron, and, being much more solid than Wrought Iron, the work being forged receives the full force of the blow. The face of the Anvil will remain perfectly true after years of service, and it is warranted to be thoroughly welded and not to separate.

PRICE LIST.

No. 00, weighing 5 lbs	.....	\$2.00
No. 0, " 10 lbs	.....	2.75
No. 1, " 15 lbs	.....	3.25
No. 2, " 20 lbs	.....	4.00
No. 3, " 30 lbs	.....	4.50
No. 4, " 40 lbs	.....	5.25
No. 5, " 50 lbs	.....	6.00
No. 6, " 60 lbs	.....	6.50
No. 7, " 70 lbs	.....	7.25
No. 8, " 80 lbs	.....	8.00
No. 9, " 90 lbs	.....	9.00
No. 10, " 100 lbs	.....	10.00
No. 11, " 110 lbs	.....	11.00
No. 12, " 120 lbs	.....	12.00
No. 13, " 130 lbs	.....	13.00
No. 14, " 140 lbs	.....	14.00
No. 15, " 150 lbs	.....	15.00
No. 17½, " 175 lbs	.....	17.50
No. 20, " 200 lbs	.....	20.00
No. 25, " 250 lbs	.....	25.00



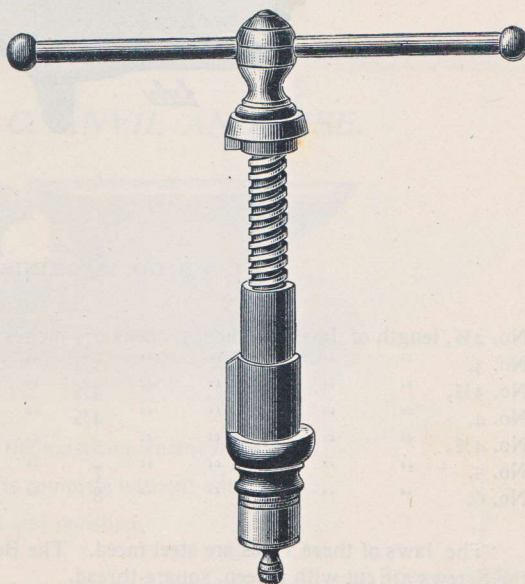
VICES.

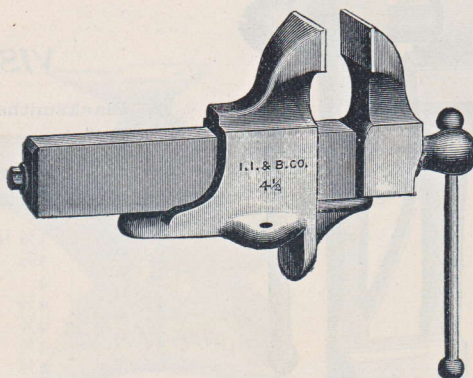
Blacksmiths' Solid Box.

Weight.	Jaw.	Price, each.
30 lbs.	3½ inch.	\$11.00
35 "	3¾ "	10.00
40 "	4 "	10.50
45 "	4¼ "	11.00
50 "	4½ "	11.50
55 "	4¾ "	12.00
60 "	5 "	13.00
65 "	5¼ "	14.00
70 "	5½ "	15.00
75 "	6 "	16.00
80 "	6¼ "	17.50
85 "	6½ "	18.50
90 "	7 "	20.00
100 "	7½ "	22.00
110 "	8 "	25.00
120 "	9 "	26.00

Vise Boxes and Screws.

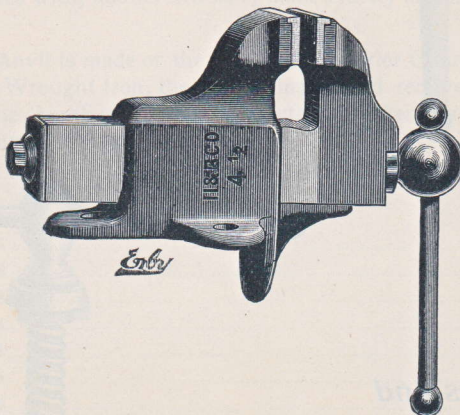
	Each.
No. 1, 1½ in. Screw, 30 to 45 lbs.	\$3.50
No. 2, 1¾ in. " 50 to 55 "	4.00
No. 3, 1¾ in. " 60 to 90 "	4.50
No. 4, 1½ in. " 90 to 110 "	5.50
No. 5, 1¾ in. " 110 lbs. up	7.00





I. I. & B. WOODWORKER'S VISE.

Length of Jaws $4\frac{1}{2}$ inches, opens 9 inches.....\$15.00

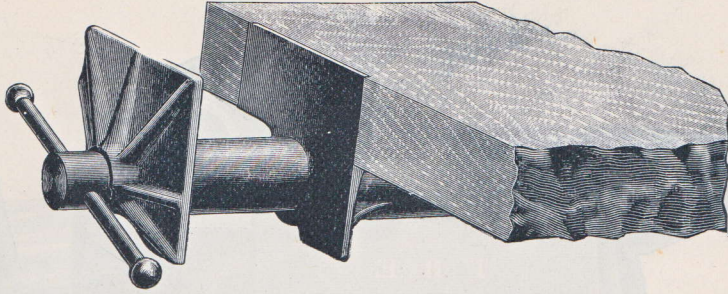


I. I. & B. CO. MACHINIST'S VISE.

No. $2\frac{1}{2}$,	length of Jaws $2\frac{1}{2}$ inches, opens $2\frac{1}{2}$ inches.....	\$ 8.00
No. 3,	" " 3 " " $3\frac{1}{2}$ "	9.50
No. $3\frac{1}{2}$,	" " $3\frac{1}{2}$ " " $4\frac{1}{2}$ "	12.00
No. 4,	" " 4 " " $4\frac{1}{2}$ "	15.00
No. $4\frac{1}{2}$,	" " $4\frac{1}{2}$ " " 5 "	20.00
No. 5,	" " 5 " " 7 "	25.00
No. 6,	" " 6 " " 8 "	30.00

The Jaws of these Vises are steel-faced. The Beams are planed true on all sides and the Screws are cut with a deep, square thread.

I. I. & B. CO'S. CABINETMAKERS' VISE.



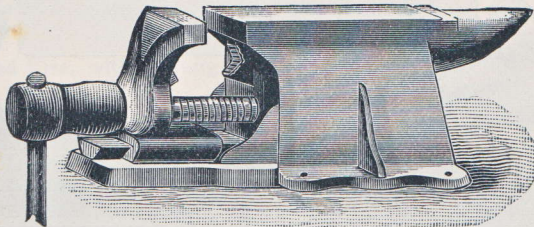
The jaws of this Vise operate parallel, are planed true and smooth, and will hold the work firmly without marring or bruising it.

The Screw being entirely closed makes it impossible for dirt or chips to interfere with its motion.

As will be seen in the above cut the jaws are flush with the top of Bench.

Length of Jaws 9 inches, Jaws open 12 inches.....Price, \$9.00

THE S. & C. ANVIL AND VISE.



This is one of the most convenient tools used.

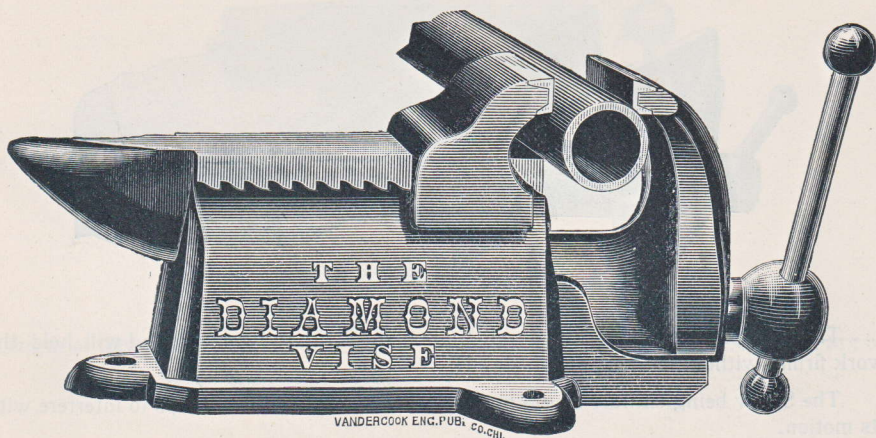
No workshop is complete without one.

Face hardened and polished.

No. 1, 33 pounds.....Price each, \$3.00

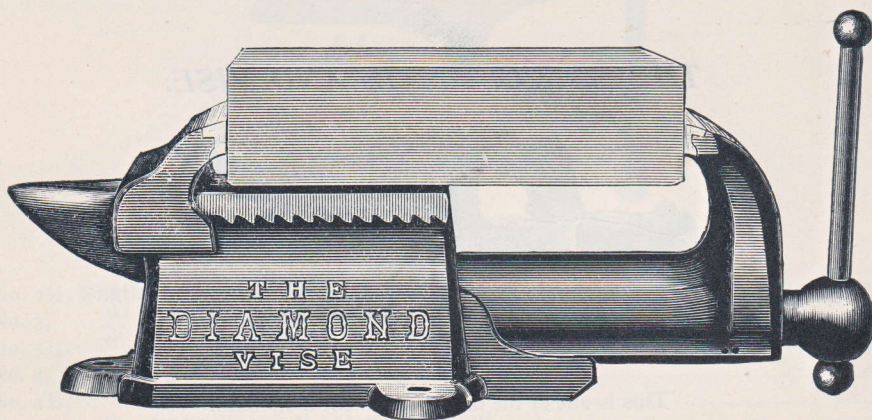
THE DIAMOND VISE.

MACHINISTS' VISE, PIPE VISE AND DRILL.



Jaws 4 inches. Steel-Faced Anvil Face 3 x 7. Polished and Hardened.

To hold Pipe move small Jaw back one notch. Three sharp Jaws, 4 inches long, clamps Pipe up to 2 inches more securely than any other Vise.



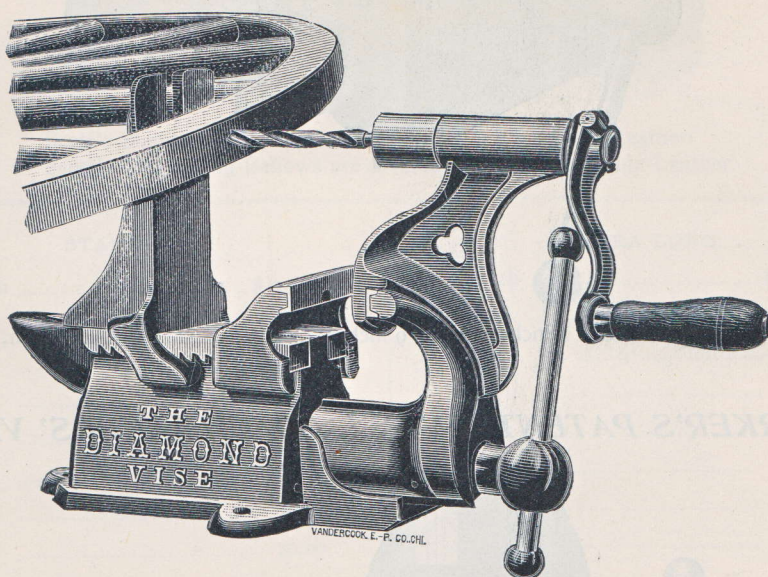
Small Jaws can be removed or set at any position.

Will extend to hold work up to 12 inches.

Diamond Anvil and Vise..... Each, only \$5.00

DIAMOND VISE.

WITH DRILLING ATTACHMENT.

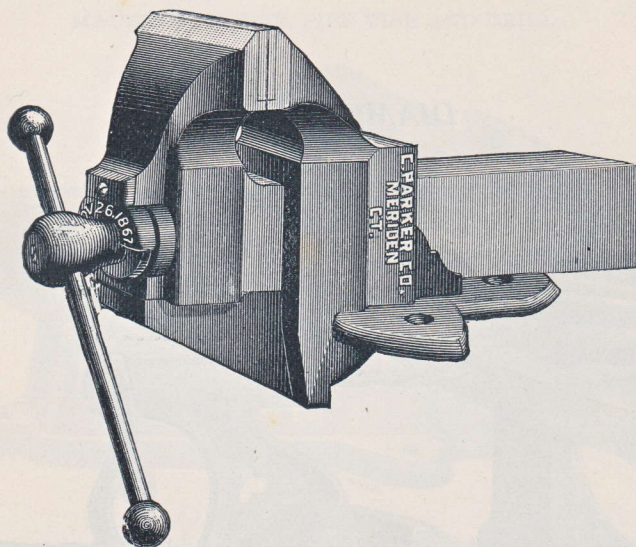


Will take Square Shank Drills up to $\frac{3}{4}$ inches.

Diamond Anvil and Vise, with Drilling Attachment Each, \$7.50

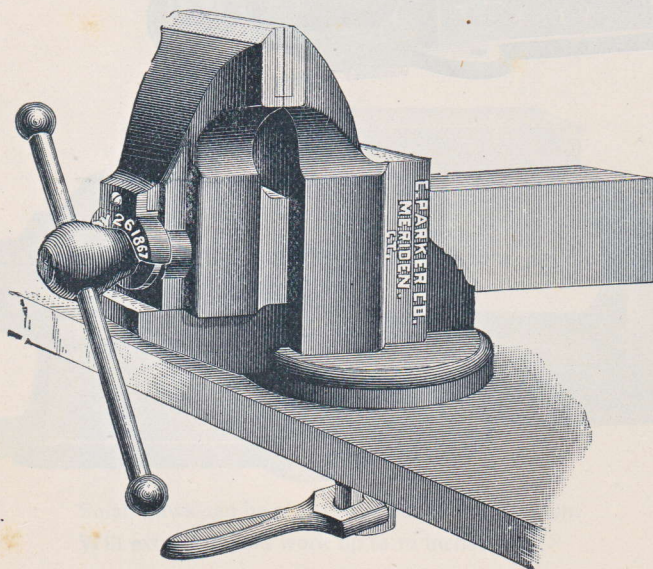
PARKER'S PATENT COACHMAKERS' VISE.

Designed for the Use of Carpenters, Cabinet Makers, Pattern Makers and Woodworkers Generally.

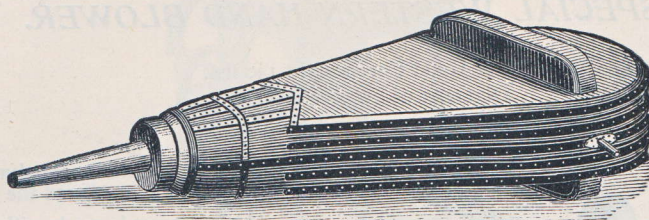


No. 4000, Length of Jaw 4 inches, opens 9 inches.....Each, \$10.00

PARKER'S PATENT SWIVEL COACHMAKERS' VISE.



No. 46, Length of Jaw 4 inches, opens 8 inches.....Each, \$12.50

SCOTT'S BLACKSMITHS' BELLOWS.

Scott's Standard Bellows are covered with the best Split Leather.
 Scott's Extra Long Bellows are covered with the best Grain Leather.

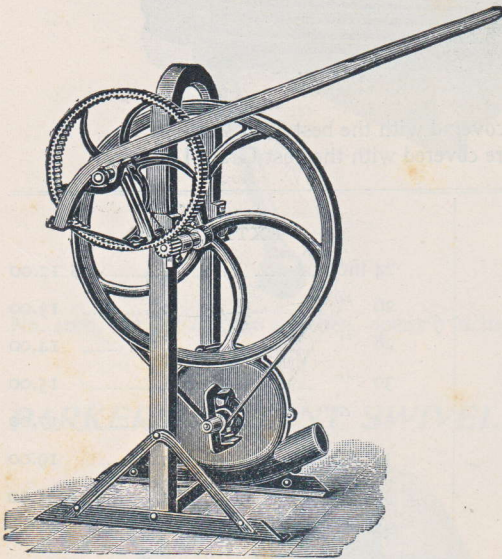
STANDARD.	
24 inch	\$ 10.00
26 "	11.00
28 "	12.00
30 "	13.00
32 "	14.00
34 "	16.00
36 "	18.00
38 "	20.00
40 "	23.00
42 "	27.00
44 "	32.00

EXTRA LONG.	
24 inch	\$ 12.00
26 "	13.00
28 "	14.00
30 "	15.00
32 "	17.00
34 "	19.00
36 "	21.00
38 "	24.00
40 "	28.00
42 "	34.00
44 "	40.00
46 "	45.00
48 "	50.00
50 "	60.00

FORGES AND BLOWERS.

SPECIAL WESTERN HAND BLOWER.

For Hand Use, weight 130 lbs.
Diameter of Fan, 14 inches.



The strongest and most durable Hand Blower ever offered the public.

This Blower is made with a wrought iron frame, without wood or leather, except the handle and belt. When worked by hand it gives blast enough for two ordinary fires; operated by power it gives blast enough for three or four, according to the size of the fires.

POINTS OF SUPERIORITY :

1. It has a wrought iron frame of angle iron, riveted together so that it is perfectly rigid, and is not affected by fire or weather.
2. The wind blast capacity is fully equal to the smith's large bellows.
3. The bearings are babbitted, when worn out can be easily repaired.
4. The main gear wheel is put in motion by dogs and ratchet and can be replaced by any ordinary blacksmith.

No. 1 Hand Blower, \$25.00.

SPECIAL WESTERN FORGE.

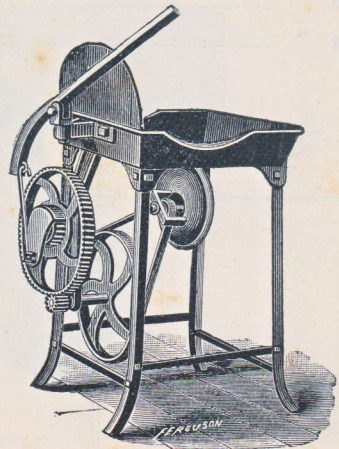
No. 20.
Without Hood.
With Angle Iron Legs.

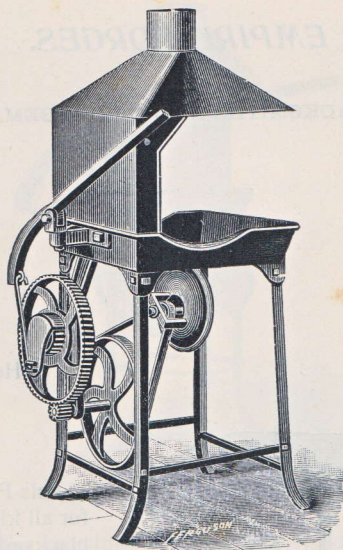
Fan 7 inches. Size 15 x 19. Height 33 inches.
Weight 95 lbs.

Lever Handles. Deep Fire Pans.
Babbitted Bearings.

Making them easily worked, very strong and quickly repaired. They are made with our new Ratchet, giving a positive forward motion, without dead centers.

Price.....\$22.00.



EMPIRE FORGES.

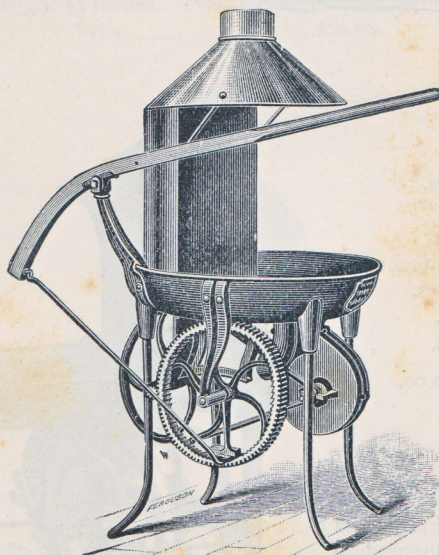
No. 21, with Hood, Angle Iron Legs.

Fan 7 inches. Size 15 x 19 inches. Height 55 inches. Weight 115 lbs.

Lever Handles. Deep Fire Pans. Babbitted Bearings.

Making them easily worked, very strong and quickly repaired. They are made with our new Ratchet, giving a positive forward motion without dead centers.

Price.....\$24.00.



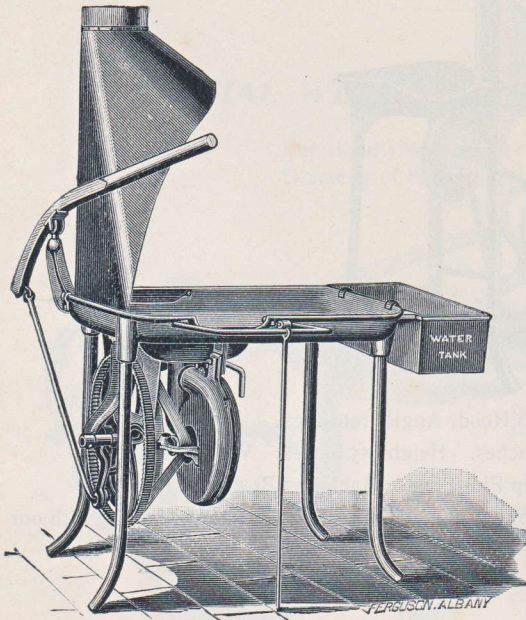
No. 31, with Pipe Legs, Half Hood.

Fan 10 inches. Height 29 inches. Fire Pan 21 x 27 inches. Weight 145 lbs.

Price.....\$40.00.

EMPIRE FORGES.

FOR BLACKSMITHS AND CARRIAGEMAKERS.



No. 30.

For Hand.

Height 30 inches.

Hearth 28 x 40 inches.

Fan 14 inches.

Weight 250 lbs.

This Forge is especially adapted for all kinds of heavy carriage and blacksmith work, having a large Fire Pan with sufficient blast for the heaviest kind of work.

Price.....\$50.00.

Water Tank \$4.00 extra.

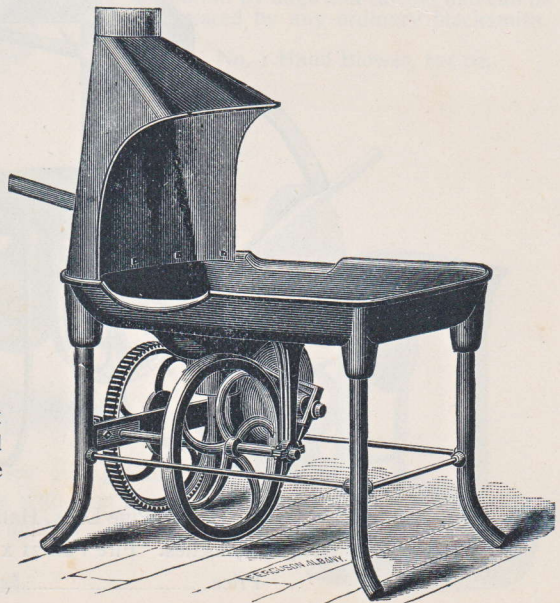
No. 7.
For Hand.
With Half Hood.
Pipe Legs.
Swivel Handle.
Height of Fire Pan 25 inches.
Size 28 x 40 inches.
Fan 14 inches.
Weight 310 lbs.
Price.....\$50.00.

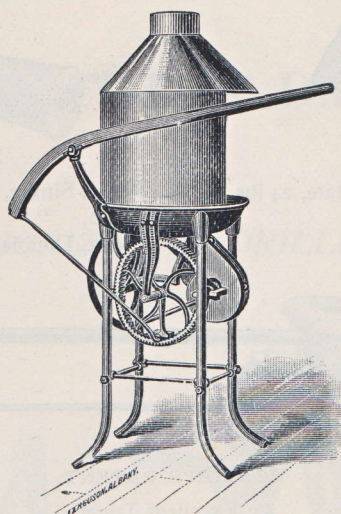
No. 7.
For Power.

This Forge will do as heavy work as the ordinary brick Forge and large Bellows, and readily produce welding heat on 3 or 4-inch iron.

Price.....\$55.00.

Water Tank \$4.00 extra.



EMPIRE FORGES.

No. 34, with Pipe Legs, Half Hood.

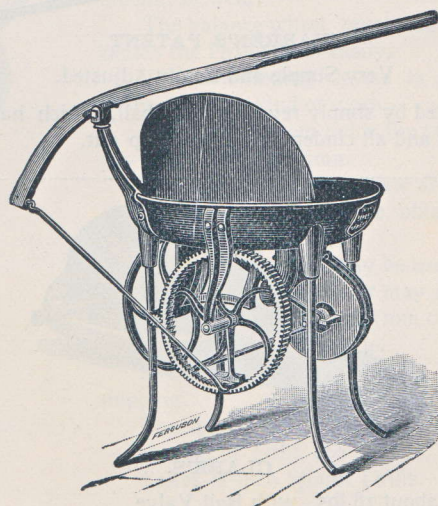
Fan 8 inches. Height 33 inches. Fire Pan 18 inches diameter. Weight 75 lbs.
 Price.....\$27.00.

No. 35, with Pipe Legs, without Hood.

Fan 8 inches. Height 33 inches. Fire Pan 18 inches diameter. Weight 75 lbs.
 Price.....\$24.00.

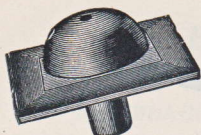
No. 36, with Pipe Legs, Closed Hood.

Fan 10 inches. Height 33 inches. Fire Pan 18 inches diameter. Weight 85 lbs.
 Price.....\$30.00.



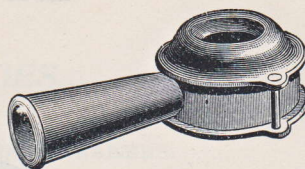
No. 33, with Pipe Legs, without Hood.

Fan 10 inches. Height 29 inches. Fire Pan 21 x 27 inches. Weight 135 lbs.
 Price.....\$36.00.

TUYER IRONS.**GLOBE.**

Globe, weight without Plate, 24 lbs.

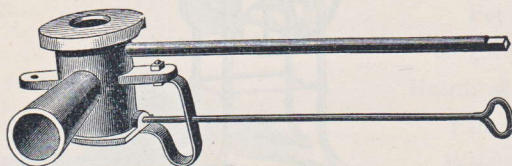
Each, \$1.00.

**DUCK NEST.**

No. 1, Single, weight, 11 lbs..... Each, .75

No. 2, " " " 15 " " " .90

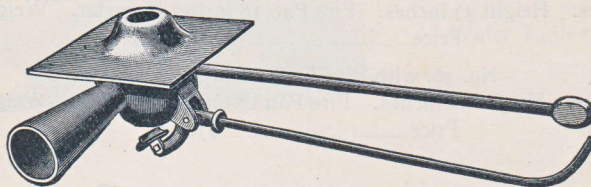
No. 2, Double, " 17 " " " 1.00

**NORTON'S PATENT.**

An Excellent Tuya.

To regulate the blast, turn the large rod. The cinders and ashes may be removed by drawing out the small rod which opens the slide. The levers and spring are readily changed to either side for right or left hand use.

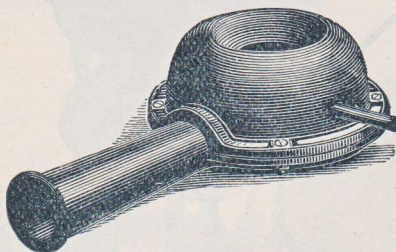
Norton's Patent..... Each, \$2.00.

**WARREN'S PATENT.**

Very Simple and Easily Adjusted.

The blast is regulated by simply revolving the ball, which has three unequal sides. Open the bottom valve, and all cinders and ashes drop out.

Warren's Patent..... Each, \$2.25.

**CLARK'S.**

No. 1, Clark's, weight about 18 lbs., with Ball Valve..... Each, \$1.30

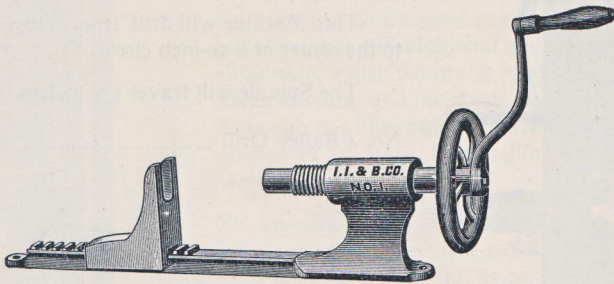
No. 2, " " " 21 " " " " " 1.40

No. 3, " " " 26 " " " " " 1.60

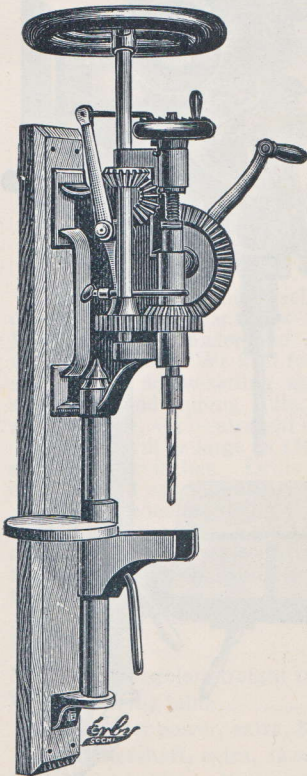
No. 4, " " " 45 " " " " " 2.40

BLACKSMITHS' DRILLS.

HORIZONTAL DRILLS.



No. 1, weight 27 lbs Each, \$3.00



BAILEY DRILL NO. 3.

This Drill, being made of the best material, will be found strong and durable, and able to stand a great amount of wear.

The balance-wheel revolving on a vertical bearing causes the Drill to run easily.

The self-feeding devise is adjustable and easily adapted to any kind of work.

An improved cam holds the table firmly in position at any point on the column.

The spindle and feed-screw are of polished steel.

Different speeds may be obtained by changing the crank to different shafts

The balance-wheel may be used, or it can easily be disconnected as the operator may desire.

This machine will drill from 0 to 1-inch hole and to the center of a 10-inch circle.

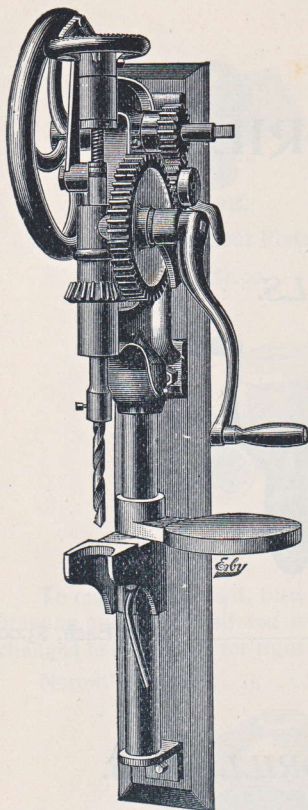
Every Drill is set in perfect line and tested before shipping.

The spindle will travel $3\frac{1}{2}$ inches.

Weight of Drill, 160 pounds.

Takes $\frac{1}{2}$ -inch Shank Drills.

No. 3 Bailey, boxed Each, \$22.00



BAILEY DRILL NO. 4.

The Spindle of this Drill is made to receive $\frac{1}{2}$ -inch straight shank Drill Bits, unless otherwise ordered.

This Machine will drill from 0 to 1-inch hole, and to the center of a 10-inch circle.

The Spindle will travel $3\frac{1}{2}$ inches.

No. 4 Bailey Drill Each, \$24.00

BAILEY DRILL NO. 5.

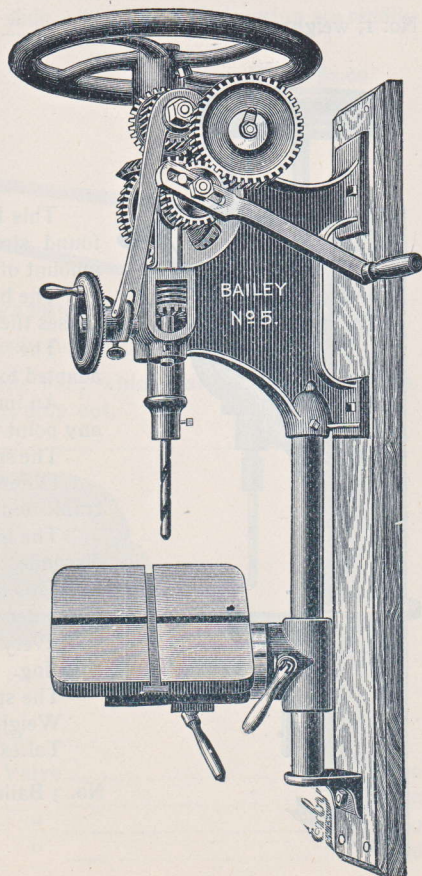
The table of this Drill may be fastened at any point on the column, and can be adjusted to any desired angle convenient to the operator. The work can be clamped to the table the same as on power Drills.

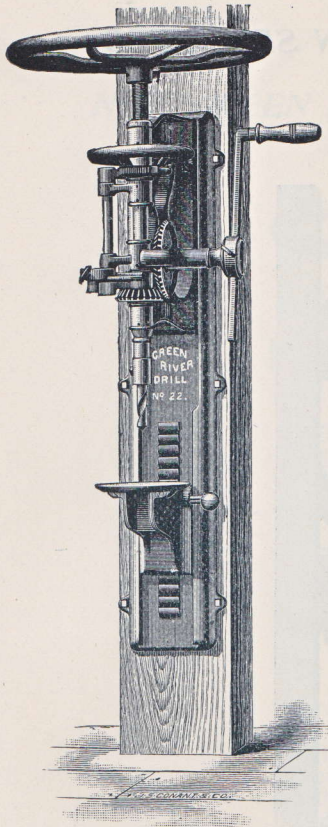
The Spindle runs in a sleeve bearing 9 inches long, which gives it great steadiness and prevents the Spindle from being worn and loose.

The Spindle of this Drill is made to receive $\frac{1}{4}$ inch straight shank Drill Bits, unless otherwise ordered.

This Machine will drill from 0 to $1\frac{1}{2}$ inches, and to the center of a 16-inch circle. The Spindle travels 4 inches.

No. 5 Bailey Drill, as shown.....	\$36.00
No. 5 Bailey Drill, with loose and tight pulleys, for power only.....	40.00
No. 5 Bailey Drill, with loose and tight pulleys, for hand or power.....	42.00
No. 5 Bailey Drill, with countershaft and cone pulleys, for power only.....	60.00





Green River Blacksmith Drill.

No. 22.

SWINGING TABLE.

This Machine will drill as large as 1 inch. Drills to center of 15 inch circle. Diameter of balance wheel 19 inches.

Drill Bits to fit this Machine should have $\frac{1}{2}$ inch round shanks.

We can supply this Drilling Machine with our regular straight table or with swinging table. The swinging table has all the good points of our regular straight table, and has the additional advantage of swinging to either side, which feature is very convenient for some kinds of work and is much liked by our customers. Although not illustrated or advertised in our previous catalogues, we have been selling these machines for some time.

No. 22, with regular straight table \$20.00

With swinging table..... 22.00

Pulley for belt, extra, \$5.00.

Countershaft, extra, \$12.00.

Green River Blacksmiths' Drill.

No. 4.

SHOWING REGULAR STRAIGHT TABLE.

We recommend this Machine for repair shops and others having similar work to do. It is a very good Drill, stiff, well made, and capable of doing a great variety of work. We fit it for hand or power use, can supply extra screw-setting attachments for threading short bolts and tapping nuts, and also supply either style of table, viz :—straight or swinging.

It will drill as large as $1\frac{1}{2}$ inch. Diameter of balance wheel 20 inches. Drills to center of 20 inch circle. Weight 250 pounds.

It is speeded for small work when crank is applied as shown in the cut. For heavy work, and for screw cutting, the crank is placed in the wheel at the side of the machine, which multiplies the power nearly three times.

Drills to fit this machine should have $\frac{3}{4}$ inch round shanks.

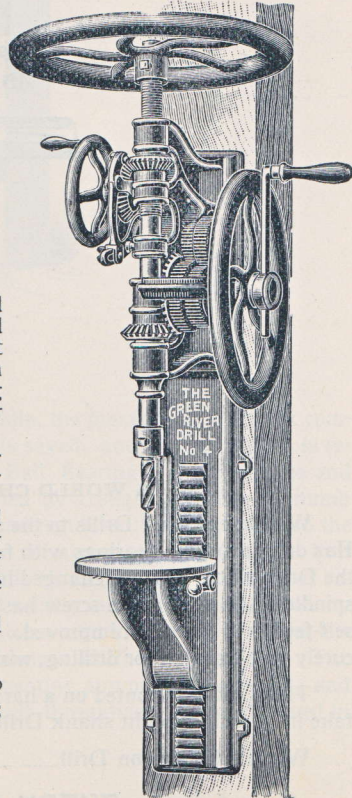
No. 4, with regular straight table..... \$70.00

With swinging table..... 72.25

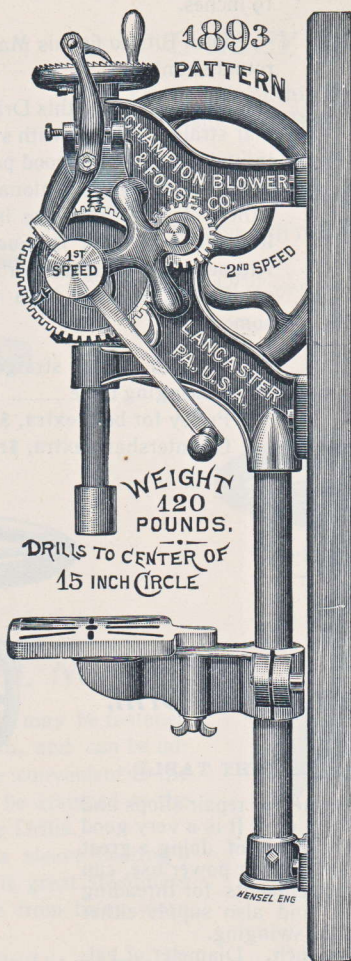
Pulley for power, extra, \$7.50.

Countershaft, extra, 12.00.

Wheel-holding attachment, extra, \$7.50.



\$10.00 WORLD'S CHAMPION SELF-FEED POST DRILL.



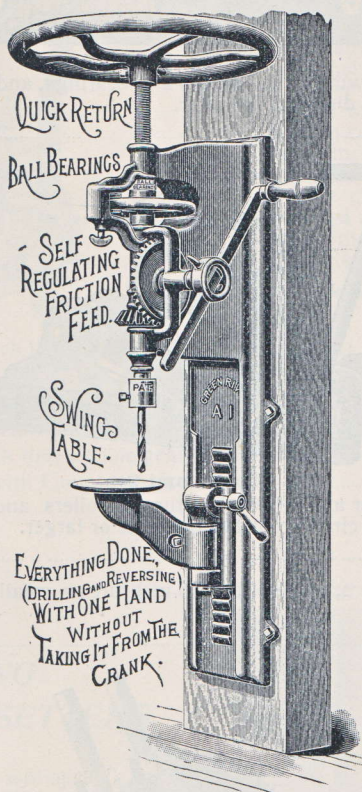
A WORLD CHALLENGE DRILL FOR \$10.00.

Weight 120 lbs. Drills to the center of a 15 inch circle, and from $\frac{1}{8}$ to $1\frac{1}{4}$ inch hole. Has double journal bearings with full back gear, also two speeds on the right hand side of the Drill which can be changed in an instant to suit all kinds of work. Diameter of spindle $1\frac{1}{4}$ inches. The screw has an up and down run of $4\frac{1}{2}$ inches. The automatic self-feed is of the latest improved. The table is large and slotted, so the operator can securely bolt work on for drilling, which is very convenient for many kinds of work.

This Drill is mounted on a hard wood plank 2 inches thick. The spindle is bored to take in $\frac{1}{2}$ inch straight shank Drills.

World's Champion Drill.....\$10.00.

EVERY DRILL WARRANTED.

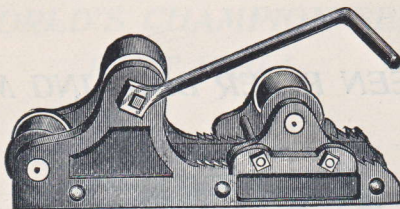
NEW GREEN RIVER DRILLING MACHINE.

NO. A 1.

The Feed Screw is cut in the solid steel of the spindle, the pressure of the work coming in but one place. By this means half the friction is saved, and the remainder is reduced to almost nothing by the use of Anti-Friction Ball Bearings, the most free and reliable bearing in the world. The Feed, which is started by a slight pressure of thumb screw, is perfectly steady and continuous (not jerky), and regulates itself according to the material being drilled. For instance, being set so as to cut a good chip in wrought iron or steel, it cuts faster through cast iron and bores rapidly through wood,—all without being readjusted. Again, the point of the Drill is lifted swiftly out of the finished hole by simply turning the crank backwards,—a great convenience and saving of time, the left hand being always free. The bed piece is iron and of unusual stiffness and solidity. The headstock is locked together in front of the spindle, preventing any possible springing and binding. The machine is thoroughly and accurately built throughout, the gears keyed in place, and everything made to stand long service.

No. A 1 Green River Drill..... Each, \$15.00.

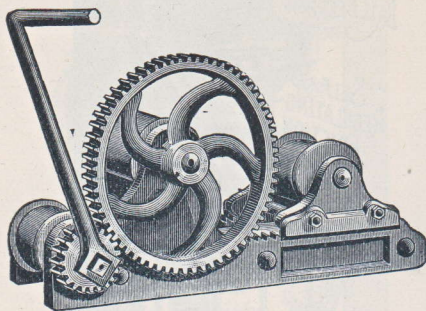
TIRE BENDERS.



No. 1.

This Machine is made with turned rollers and bearings, and will bend $3\frac{1}{4}$ inch tire or smaller to a circle 30 inches diameter or larger.

No. 1 Tire Bender Each, \$6.00.



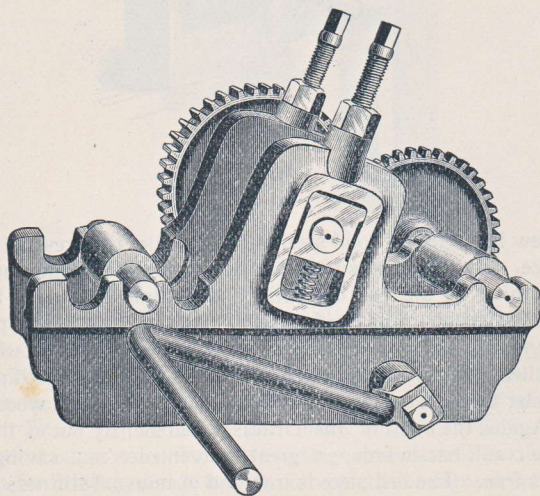
Nos. 2 and $2\frac{1}{2}$.

No. 2 is made with gear and pinion, has turned rollers and bearings, and will bend $3\frac{1}{4}$ inch tire or smaller to a circle 30 inches diameter or larger.

No. 2 Tire Bender Each, \$7.00.

No. $2\frac{1}{2}$ is made as No. 2, but will bend 6 inch tire or smaller to a circle 30 inches diameter or larger.

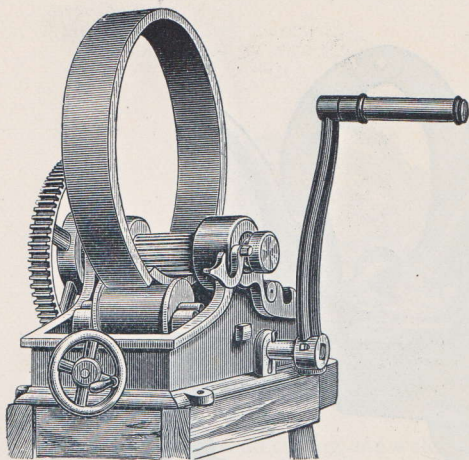
No. $2\frac{1}{2}$ Tire Bender Each, \$8.50.



No. 3—Extra Heavy.

This machine is double geared, has turned rollers and bearings, is very strong and durable, and will bend 5 inch tire or smaller to a circle 30 inches diameter or larger. In bending very heavy tire two cranks may be used on opposite sides, thus giving double power.

No. 3 Tire Bender Each, \$10.50.



THE DETROIT PERFECTED BENDER.

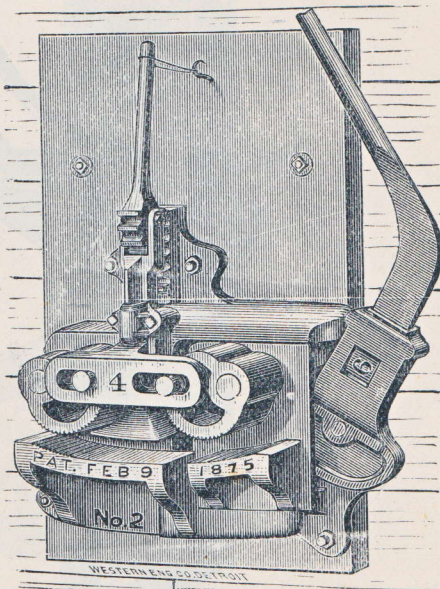
The great advantage which this machine offers is that the center top roll is removable. It is made very strong and durable. The body of the machine consists of one solid piece without bolt or nut. The rolls are turned true, and are adjusted by a screw as shown in cut. The size of circle ranges from 12 inches to 12 feet. Tires can be trued up after welding. This Bender is not to be classed with the numerous low-priced machines in the market, and as one will last a lifetime the additional expense is well invested.

It is strictly a first-class machine.

No. 21, will take 4 x ½ inch tire, not geared.....	\$12.00
No. 22, " 4 x ⅞ " is "	19.00
No. 23, " 6 x ¾ or 4 x 1 inch tire, is geared.....	26.00
No. 24, same as No. 23, with Countershaft and Pulleys for Power.....	35.00
No. 25, will take 6 x 1 inch tire, double geared, extra heavy bed	55.00
No. 26, same as No. 25, with Countershaft and Pulleys.....	65.00

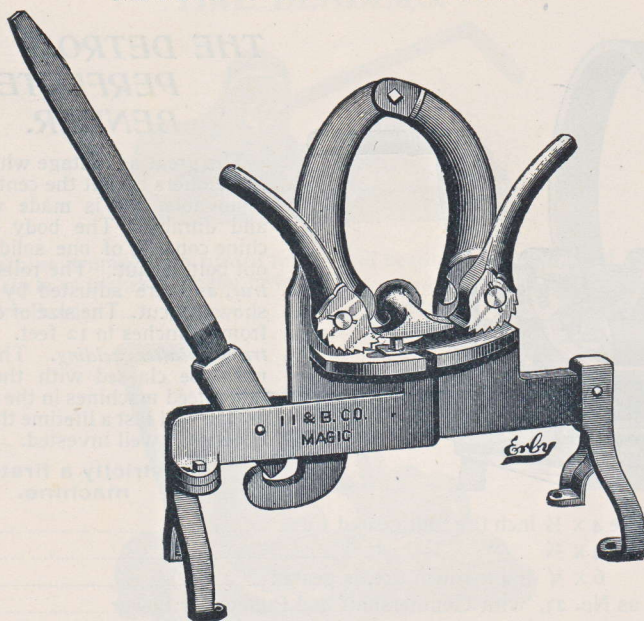
STODDARD'S LIGHTNING TIRE UPSETTERS.

No. 1 is a 2-inch Machine, will upset a tire from ⅝ to ¾ inch thick, and any width up to 2 inches	\$14.00
No. 2 is a 4-inch Machine, will upset any tire up to 4 inches wide	22.50
No. 3 is a "Special" 4-inch Machine, has sets of loose jaws, can be adjusted for large and small circles, also for upsetting axles up to 1 ¾ inches thick	26.00
No. 4 is a 6-inch Machine, for upsetting tires 6 inches wide.....	36.00
No. 5 is a "Special" 6-inch Machine, has 2 sets of loose jaws, can be adjusted for large and small circles, also for upsetting axles up to 2 inches thick. This is for upsetting tires 6 inches wide.....	45.00

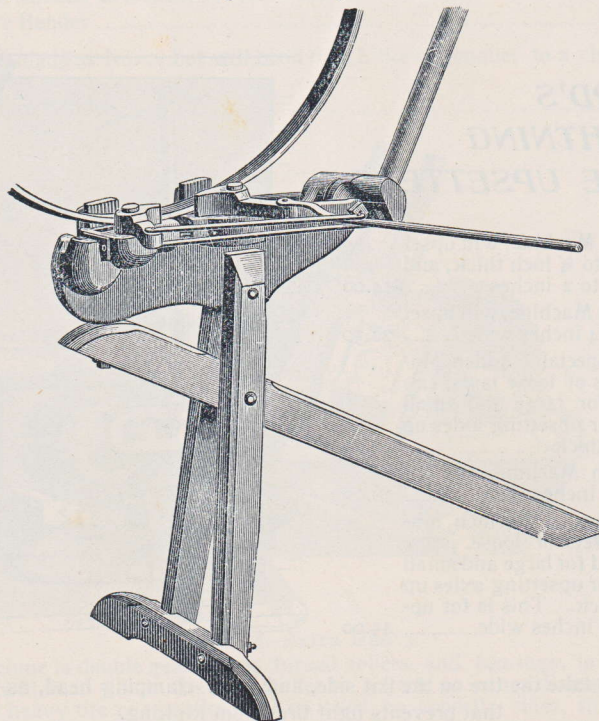


These Upsetters take the tire on the flat side, and have clamping head, as shown in cut, that prevents light tires from kinking.

ALL MACHINES ARE TESTED BEFORE LEAVING SHOPS.

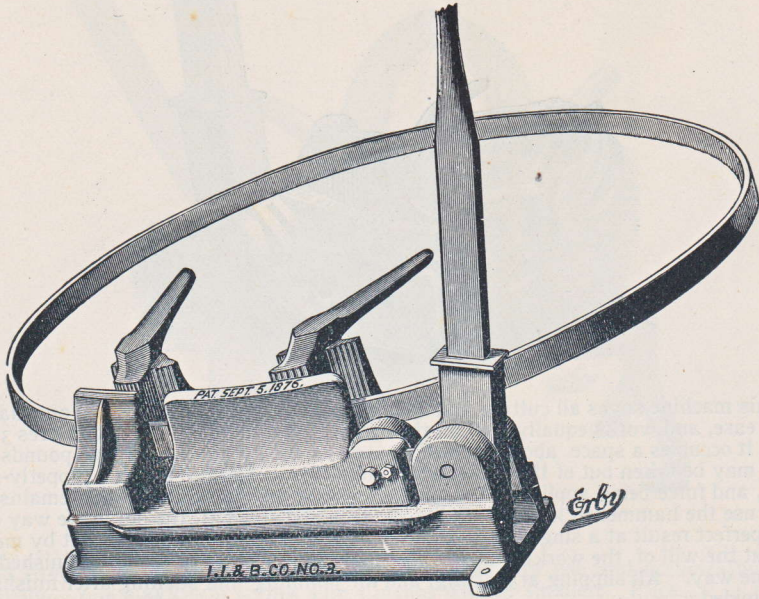
MAGIC TIRE SHRINKER.

This is a strong and durable machine. It is always ready for use and occupies but little room. The Magic will shrink Tire 3 inches wide or smaller. Price.....\$12.00.

THE O. & D. TIRE SHRINKER AND PUNCH.

This machine has acquired the reputation of being an excellent Tire Shrinker and Punch. The O. & D. will shrink Tire $3\frac{1}{4}$ inches wide or smaller. Price.....\$14.00.

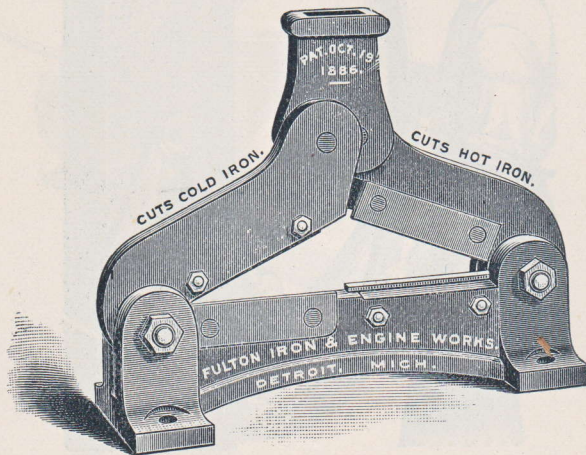
I. I. & B. TIRE SHRINKER.



This Tire Shrinker is especially intended for heavy work, and will shrink Tire 4 inches wide or smaller. All parts are made very strong and will withstand a great amount of wear.

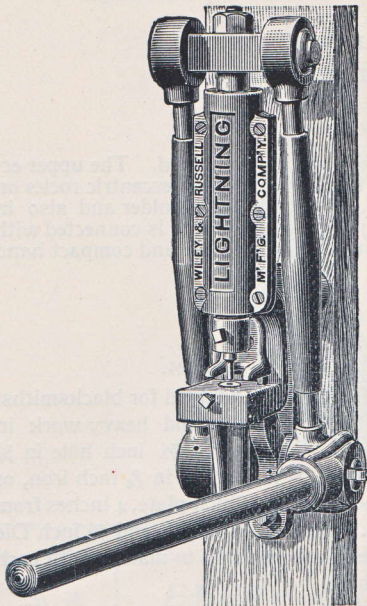
No. 3, I. I. & B. Shrinker\$16.00.

THE DETROIT IRON SHEARS.



This is a new departure. It is powerful but simple compound lever machine, made especially for use of shops and merchants who have occasion to cut iron bars. It will cut $\frac{7}{8}$ inch round or square bar, and $4 \times \frac{1}{2}$ inch cold. Hot up to $2\frac{1}{2}$ inch, or $4 \times 1\frac{1}{2}$ inch. We furnish a lever end to fit the socket, on which a bar can be welded for a handle.

Detroit Iron Shears\$25.00.



LIGHTNING PUNCHING PRESS.

No. 1.

Will punch $\frac{1}{4}$ inch round hole in iron $\frac{1}{4}$ inch thick, or $\frac{5}{16}$ inch round hole in iron $\frac{3}{16}$ inch thick. It will punch as far as $1\frac{1}{2}$ inches from edge of the work. Supplied with Punches and Dies, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch. Unless otherwise ordered, Punches and Dies will be supplied $\frac{1}{32}$ inch over exact sizes.

The handle may be set at any angle, up or down, to suit various kinds of work.

This Machine is carefully made throughout, of the best material, and is highly approved by our customers.

No. 1 Machine, complete..... \$25.00.

Extra Punches or Dies, 50c each.

LIGHTNING PUNCHING PRESS.

No. 2.

Will punch $\frac{1}{2}$ inch hole in iron $\frac{5}{16}$ inch thick as far as $3\frac{1}{8}$ inches from edge of work. For convenience in using the larger sizes of Punches and Dies, the ratchet may be brought into play by throwing in the dog. Two handles.

Unless otherwise ordered, Punches and Dies will be supplied $\frac{1}{32}$ inch over exact sizes.

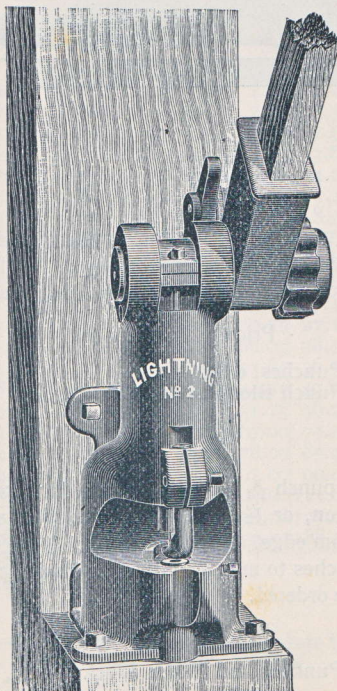
PRICES WITH PUNCHES AND DIES:

No. 2 Machine, with sizes $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ inch..... \$45.00

No. 2 Machine, with sizes $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ inch..... 47.50

Extra Punches, 50c each.

Extra Dies, 75c each.

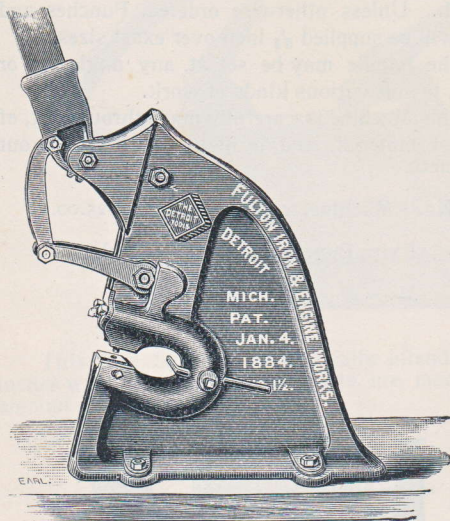


THE DETROIT RICE HAND PUNCH.

MOST PERFECT AND PRACTICAL PUNCH IN USE.
MOST POWERFUL PUNCH IN THE MARKET.

DESCRIPTION.

They obtain their power by double leverage and eccentric combined. The upper eccentric is provided with socket for handle, as shown in cut. The lower eccentric rocks on tool holder, which works in a groove, with steel pin passing through holder and also in the frame, one end fulcrumed in frame and the other joined to bar, which is connected with upper eccentric, thus keeping it in gear and making it the most durable and compact hand power in use.



No. 1 1/2.

Is especially adapted for blacksmiths, punching steel tire and heavy work in general. Will punch $\frac{3}{8}$ inch hole in $\frac{1}{4}$ inch iron, $\frac{5}{8}$ inch hole in $\frac{3}{8}$ inch iron, or $\frac{3}{4}$ inch hole in $\frac{1}{8}$ inch plate, 4 inches from edge. We furnish $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ inch Die Plates, with Punches to match, with each Machine.

Price.....\$28.00.

Extra Punches, $\frac{3}{16}$ to $\frac{1}{2}$, each, .60.
" " $\frac{5}{8}$ to 1, " .70.
" Punch Blocks, " \$1.00.

No. 0.

Will punch $\frac{1}{4}$ inch hole in $\frac{1}{8}$ inch iron, 2 $\frac{1}{4}$ inches from edge to center of hole. Will furnish $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch Die Plate, with each Machine.

Price.....\$10.00.

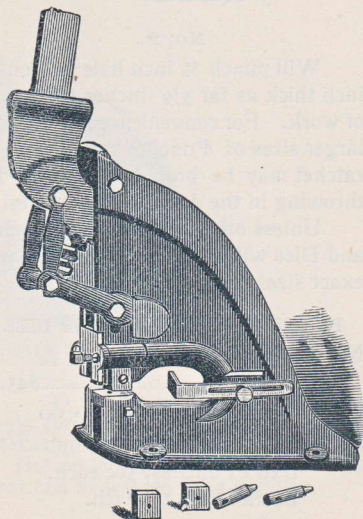
Extra Punches, each, .35.
Extra Punch Blocks, 3 holes, each, .45.

No. 1.

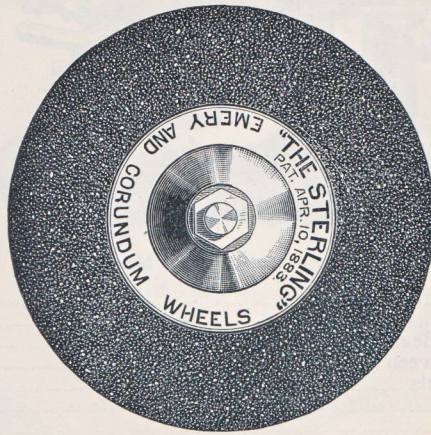
Will punch $\frac{3}{16}$ inch hole in $\frac{3}{16}$ inch iron, $\frac{5}{16}$ in $\frac{1}{8}$ inch iron, or $\frac{1}{2}$ inch in No. 14 wire gauge, 3 inches from edge. Will furnish $\frac{1}{8}$, $\frac{3}{16}$ or $\frac{1}{4}$ Dies, with Punches to match, with each Machine, unless otherwise ordered.

Price.....\$15.00.

Extra Punches and Punch Blocks, each, .45.



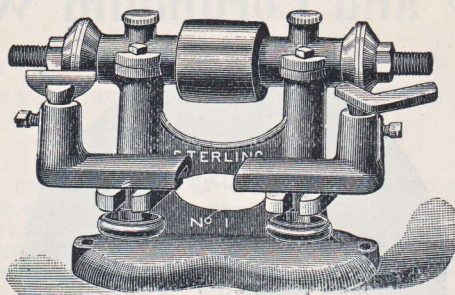
Emery and Corundum Wheels.



Diameter in Inches.	STANDARD PRICE LIST												Revolutions per minute.
	EMERY AND CORUNDUM WHEELS.												
	THICKNESS IN INCHES.												
	½	⅝	¾	1	1¼	1½	1¾	2	2¼	2½	2¾	3	
1	\$.30	\$.35	\$.40	\$.40	\$.45	\$.50	\$.55	\$.60	\$.65	\$.70	\$.75	\$.80	18,000
1½	.40	.45	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	14,000
2	.50	.55	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	10,000
2½	.65	.70	.75	.85	.95	1.05	1.15	1.25	1.35	1.45	1.55	1.65	8,500
3	.80	.90	.95	1.10	1.25	1.40	1.55	1.70	1.85	2.00	2.15	2.30	7,000
3½	.95	1.05	1.15	1.35	1.55	1.75	1.95	2.15	2.35	2.55	2.75	2.95	6,035
4	1.10	1.25	1.35	1.60	1.85	2.10	2.35	2.60	2.85	3.10	3.35	3.60	5,300
4½	1.25	1.40	1.55	1.85	2.15	2.45	2.75	3.05	3.35	3.65	3.95	4.25	4,700
5	1.40	1.60	1.80	2.20	2.60	3.00	3.40	3.80	4.20	4.60	5.00	5.40	4,200
6	1.75	2.10	2.40	3.05	3.70	4.35	5.00	5.65	6.30	6.95	7.60	8.25	3,500
7	2.15	2.60	3.00	3.85	4.70	5.55	6.40	7.25	8.10	8.95	9.80	10.65	3,000
8	2.60	3.10	3.60	4.60	5.60	6.60	7.60	8.60	9.60	10.60	11.60	12.60	2,600
9	3.10	3.70	4.25	5.40	6.55	7.70	8.85	10.00	11.15	12.30	13.45	14.60	2,300
10	3.65	4.35	5.00	6.35	7.70	9.05	10.40	11.75	13.10	14.45	15.80	17.15	2,100
12	4.60	5.50	6.35	8.10	9.85	11.60	13.35	15.10	16.85	18.60	20.35	22.10	1,750
14	6.25	7.35	8.45	10.65	12.85	15.05	17.25	19.45	21.65	23.85	26.05	28.25	1,500
16			10.85	13.70	16.55	19.40	22.25	25.10	27.95	30.80	33.65	36.50	1,300
18			13.25	17.00	20.75	24.50	28.25	32.00	35.75	39.50	43.25	47.00	1,150
20				20.25	24.75	29.25	33.75	38.25	42.75	47.25	51.75	56.25	1,050
22				25.00	31.00	37.00	43.00	49.00	55.00	61.00	67.00	73.00	950
24				29.00	36.00	43.00	50.00	57.00	64.00	71.00	78.00	85.00	850
26					43.00	51.00	59.00	67.00	75.00	83.00	91.00	99.00	775
28						56.00	65.00	74.00	83.00	93.00	103.00	111.00	740
30						61.00	72.00	83.00	94.00	105.00	116.00	127.00	705
36						95.00	110.50	126.00	141.50	157.00	172.50	188.00	520

Thinner Wheels at same price as ½ inch.

In ordering, give diameter, thickness, size of hole for mandrel, and state the use for which Wheel is desired.

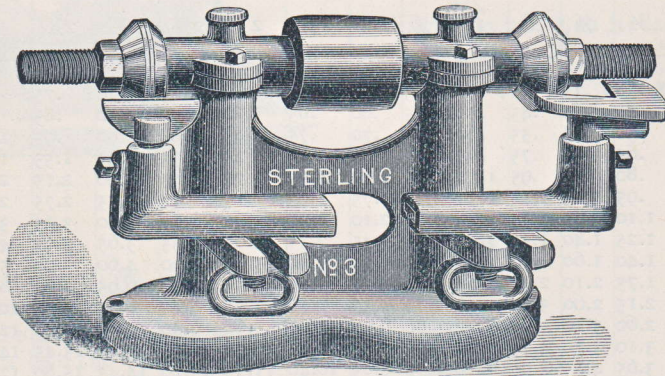
EMERY GRINDING MACHINES.**No. 1 Sterling Bench Machine.**

Bench Space	10 x 5 inches.
Length of Spindle	13 "
Diameter of Spindle in Bearings	1 1/8 "
Diameter of Spindle between Flanges	3/4 "
Distance between Wheels	8 1/2 "
Length of Bearings	2 3/4 "
Diameter of Flanges	2 1/2 "
Height, Bench to center of Spindle	7 "
Size of Pulley on Spindle	2 1/2 x 2 1/2 "
Weight	25 lbs.

Will run two wheels 10 x 1 inches.

No. 1 Sterling Bench Machine, without Countershaft	\$12.00
Countershaft	11.00

Price does not include Wheels.

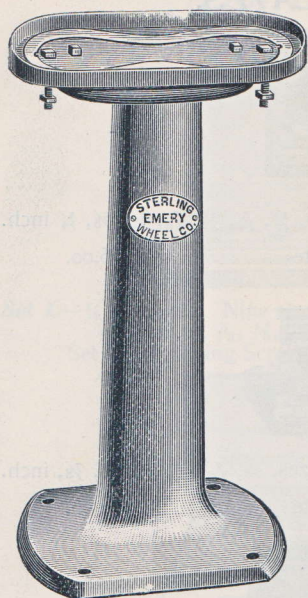
**No. 3 Sterling Bench Machine--Tight and Loose Pulleys.**

Bench Space	15 x 7 inches.
Length of Spindle	20 "
Diameter of Spindle in Bearings	1 1/8 "
Diameter of Spindle between Flanges	1 "
Distance between Wheels	13 "
Length of Bearings	4 1/4 "
Diameter of Flanges	3 "
Height, Bench to center of Spindle	9 1/2 "
Size of Pulleys on Spindle	3 1/2 x 2 1/4 "
Weight	50 lbs.

Will run two wheels 12 x 2 inches.

No. 3 Sterling Bench Machine, without Countershaft	\$16.00
Countershaft	12.00

Price does not include Wheels.



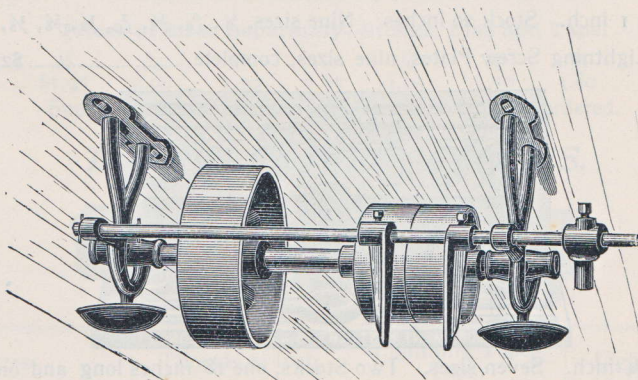
EMERY GRINDING MACHINES.

IRON COLUMN FOR No. 3 BENCH MACHINES.

Height	33 inches.
Size of Table	18 x 12 "
Floor Space	18 x 4 "
Weight	88 lbs.

Iron Column for No. 3 Bench Machine.....\$12.00

COUNTERSHAFTS.



For No. 1 Sterling Machine.

Drop of Hangers	7 inches.
Length of Spindle	24 "
Size of tight and loose Pulleys	4 x 2½ "
Size of Driving Pulley	10½ x 2½ "
Weight	40 lbs.

Speed of Countershaft, 450 revolutions per minute.

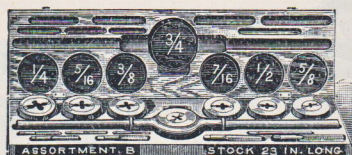
Countershaft for No. 1 Sterling Machine.....\$11.00

For No. 3 Sterling Machine.

Drop of Hangers	7 inches.
Length of Spindle	24 "
Size of tight and loose Pulleys	6 x 2¾ "
Size of Driving Pulley	10½ x 3¼ "
Weight	60 lbs.

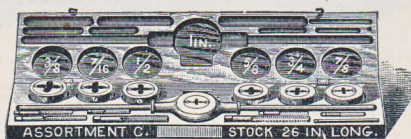
Speed of Countershaft, 450 revolutions per minute.

Countershaft for No. 3 Sterling Machine.....\$12.00

LIGHTNING SCREW PLATES.

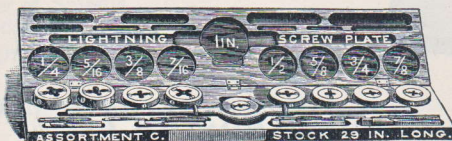
Set B— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock 23 inches long. Seven sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch.

Set B, Lightning Screw Plates, seven sizes, complete.....\$16.00.



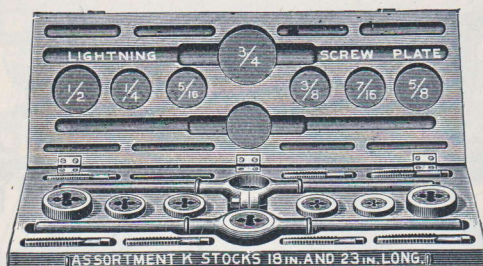
Set C 7— $\frac{3}{8}$ to 1 inch. Stock 20 inches long. Seven sizes, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch.

Set C, Lightning Screw Plates, seven sizes, complete.....\$22.00.



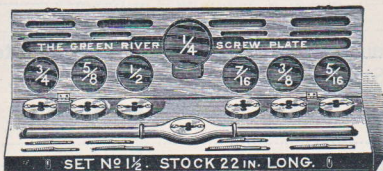
Set C 9— $\frac{1}{4}$ to 1 inch. Stock 20 inches. Nine sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch.

Set C, Lightning Screw Plates, nine sizes, complete.....\$25.50.



Set K— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Seven sizes. Two Stocks, one 18 inches long and one 23 inches long. $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch Taps, Dies and Collets.

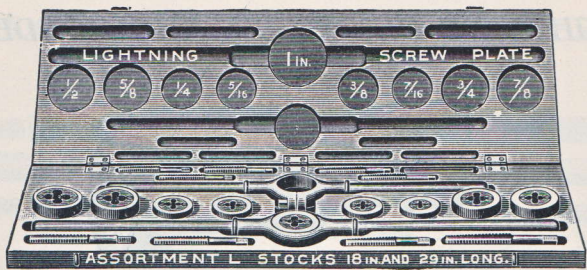
Set K, Lightning Screw Plates, seven sizes, two stocks, complete.....\$18.00.

GREEN RIVER SCREW PLATES.

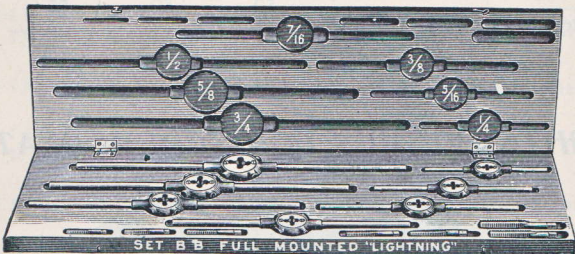
Set No. 1— $\frac{1}{2}$ — $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock 22 inches long. Seven sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch Taps, Dies and Guides. Diameter of Dies, $2\frac{3}{16}$ inches.

No. 1 $\frac{1}{2}$, Green River Screw Plates, complete, in case.....\$13.00.

LIGHTNING SCREW PLATES.



Set L— $\frac{1}{4}$ to 1 inch. Nine sizes. Two stocks, one 18 inches long and one 29 inches long, and $\frac{1}{4}$, $\frac{5}{8}$, $\frac{3}{8}$, $\frac{1}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch Taps Dies and Collets.
Set L, Lightning Screw Plate, nine sizes, two stocks, complete.....\$27.50.



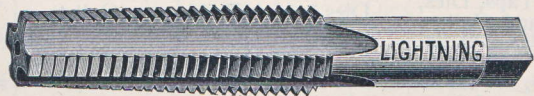
Set B B— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock to each Die. Seven sizes, $\frac{1}{4}$, $\frac{5}{8}$, $\frac{3}{8}$, $\frac{1}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch.
Set B B, Full Mounted Screw Plates, complete, in case\$18.00.

Prices of Sizes Separately--Stocks, Dies and Taps.

Inches.....	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{3}{4}$
Price	\$1.95	2.00	2.20	2.65	3.05	3.50	3.80	4.30	4.80

Supplied $\frac{1}{8}$ over size, V thread, unless otherwise ordered.

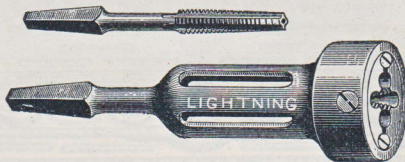
LIGHTNING TAPS AND DIES.



Sizes.	Threads to Inch.	Lightning Taper Taps.	Lightning Dies.
$\frac{3}{8}$	24,	\$.45	\$ 1.00
$\frac{1}{2}$	16, 18, 20,	.45	1.00
$\frac{5}{8}$	16, 18,	.50	1.00
$\frac{3}{4}$	14, 16, 18,	.55	1.15
$\frac{7}{8}$	12, 14, 16,	.60	1.30
$1 \frac{1}{8}$	12, 13, 14,	.70	1.50
$1 \frac{1}{4}$	12, 14,	.80	1.75
$1 \frac{3}{8}$	10, 11, 12,	.90	1.90
$1 \frac{1}{2}$	11, 12,	1.05	2.10
$1 \frac{3}{4}$	10, 12,	1.20	2.35
$1 \frac{7}{8}$	10,	1.40	2.60
2	9, 10,	1.60	3.00
	9,	1.80	3.40
	8,	2.00	3.75
$2 \frac{1}{8}$	7, 8,	2.25	4.40
$2 \frac{1}{4}$	7,	2.60	5.00
$2 \frac{3}{8}$	6,	3.00	5.75
$2 \frac{1}{2}$	6,	3.50	7.00

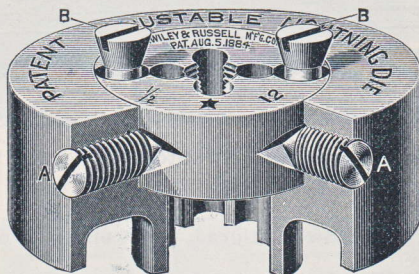
LIGHTNING DIES, TAPS AND HOLDERS.

For Use in Bit Brace.



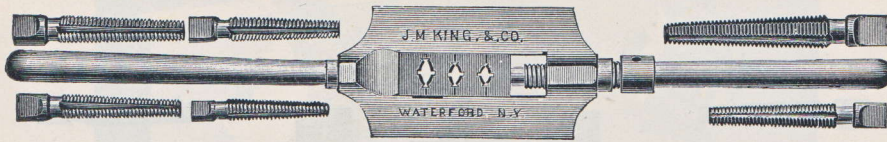
Sizes, inches	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$
Die, Tap and Holder, complete.....	\$2.00	2.00	2.00	2.25	2.60
Die only	1.00	1.00	1.00	1.00	1.15
Tap only .....	.50	.50	.55	.60	.70
Holders, separately.....					.75

LIGHTNING DIES FOR SCREW PLATES.

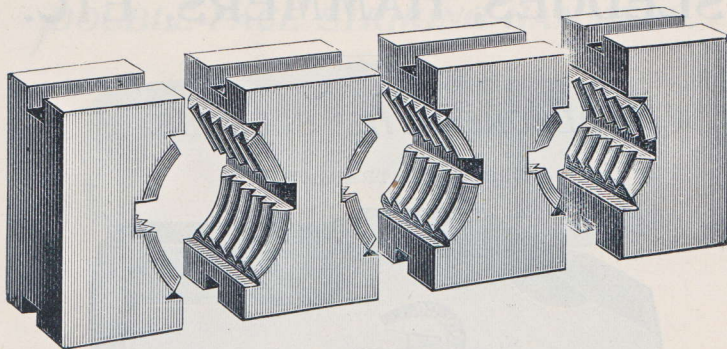


Sizes.	Taps, Dies, and Collets.	Dies.	Taps.	Collets.	Threads to Inch.	
For No. AA, B, C, K, L, and sizes $\frac{1}{4}$ to $\frac{3}{4}$ of No. D and B Plate.	$\frac{3}{16}$	\$1.77	\$1.00	\$.45	\$.50	24,
	$\frac{1}{4}$	1.77	1.00	.45	.50	16, 18, 20,
	$\frac{5}{16}$	1.80	1.00	.50	.50	16, 18,
	$\frac{3}{8}$	1.98	1.15	.55	.50	14, 16, 18,
	$\frac{7}{16}$	2.16	1.30	.60	.50	12, 14, 16,
	$\frac{1}{2}$	2.42	1.50	.70	.50	12, 13, 14,
	$\frac{9}{16}$	2.73	1.75	.80	.50	12, 14,
	$\frac{5}{8}$	2.94	1.90	.90	.50	10, 11, 12,
	$\frac{11}{16}$	3.23	2.10	1.05	.50	11, 12,
	$\frac{3}{4}$	3.57	2.35	1.20	.50	10, 12,
	$\frac{13}{16}$	3.94	2.60	1.40	.50	10,
	$\frac{7}{8}$	4.40	3.00	1.60	.50	9, 10,
	$\frac{15}{16}$	4.98	3.40	1.80	.50	9,
	I	5.45	3.75	2.00	.50	8,
For No. D and $\frac{7}{8}$ to $1\frac{1}{2}$ sizes in D and B.	$\frac{7}{8}$	4.96	3.00	1.60	1.00	9, 10,
	$\frac{15}{16}$	5.48	3.40	1.80	1.00	9,
	I	5.95	3.75	2.00	1.00	8,
	$1\frac{1}{8}$	6.75	4.40	2.25	1.00	7, 8,
	$1\frac{1}{4}$	7.50	5.00	2.60	1.00	7,
	$1\frac{3}{8}$	8.55	5.75	3.00	1.00	6,
	$1\frac{1}{2}$	10.10	7.00	3.50	1.00	6,

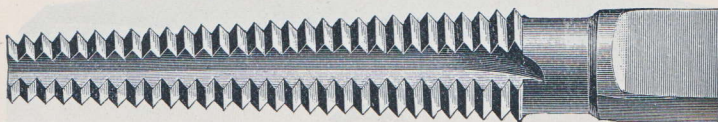
These Dies and Taps will be sent $\frac{1}{32}$ over size (for rough iron), with threads indicated by the heavy type, V form, unless otherwise ordered.

BLACKSMITHS' STOCKS AND DIES.

No. 6.	{ Cuts $1\frac{1}{2}$ in. to 1 in. Right Hand, 8 Threads to the inch. " $1\frac{1}{2}$ " 1 " Left " 8 " " " " " " "	\$20.00
	4 Taps and 2 Sets of Dies.	
No. 11.	{ Cuts $1\frac{1}{4}$ in. to $\frac{5}{8}$ in. Right Hand, 8 and 10 Threads to the inch. " $1\frac{1}{4}$ " $\frac{7}{8}$ " Left " 8 " " " " " " "	10.00
	4 Taps and 2 Sets of Dies.	
No. 15.	{ Cuts $1\frac{1}{4}$ in. to $\frac{1}{2}$ in. Right Hand, 8, 10 and 12 Threads to the inch. " " " " " 5 Taps and 3 Sets of Dies.	10.00
No. 21.	{ Cuts 1 in. to $\frac{1}{2}$ in. Right Hand, 9 and 12 Threads to the inch. " 1 " $\frac{3}{4}$ " Left " 9 " " " " " " "	6.00
	4 Taps and 3 Sets of Dies.	
No. 23.	{ Cuts 1 in. to $\frac{3}{8}$ in. Right Hand, 9, 10 and 14 Threads to the inch. " " " " " 3 Taps and 3 Sets of Dies.	5.00
No. 32.	{ Cuts $\frac{3}{4}$ in. to $\frac{3}{8}$ in. Right Hand, 10 and 14 Threads to the inch. " $\frac{3}{4}$ " $\frac{3}{8}$ " Left " 10 and 14 " " " " " "	5.00
	4 Taps and 4 Sets of Dies.	
No. 33.	{ Cuts $\frac{3}{4}$ in. to $\frac{1}{2}$ in. Right Hand, 10 Threads to the inch. " $\frac{3}{4}$ " $\frac{1}{2}$ " Left " 10 " " " " " " "	4.00
	2 Taps and 2 Sets of Dies.	
No. 34.	{ Cuts $\frac{3}{4}$ in. to $\frac{5}{16}$ in. Right Hand, 10, 12 and 16 Threads to the inch. " " " " " 3 Taps and 3 Sets of Dies.	4.50
No. 34 A.	{ Cuts $\frac{3}{4}$ in. to $\frac{5}{16}$ in. Right Hand, 10, 12 and 14 Threads to the inch. " " " " " 3 Taps and 3 Sets of Dies.	4.50
No. 34 B.	{ Cuts $\frac{3}{4}$ in. to $\frac{5}{16}$ in. Right Hand, 12, 14 and 16 Threads to the inch. " " " " " 3 Taps and 3 Sets of Dies.	4.50
No. 35.	{ Cuts $\frac{3}{4}$ in. to $\frac{3}{8}$ in. Right Hand, 10 and 14 Threads to the inch. " " " " " 2 Taps and 2 Sets of Dies.	4.00
No. 37.	{ Cuts $\frac{5}{8}$ in. to $\frac{3}{16}$ in. Right Hand, 14, 18 and 22 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	4.25
No. 37 A.	{ Cuts $\frac{5}{8}$ in. to $\frac{3}{16}$ in. Right Hand, 12, 14 and 16 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	4.25
No. 37 B.	{ Cuts $\frac{5}{8}$ in. to $\frac{3}{16}$ in. Right Hand, 14, 16 and 18 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	4.25
No. 38.	{ Cuts $\frac{5}{8}$ in. to $\frac{5}{16}$ in. Right Hand, 12 and 18 Threads to the inch. " $\frac{5}{8}$ " $\frac{5}{16}$ " Left " 12 " " " " " " "	4.50
	6 Taps and 3 Sets of Dies.	
No. 41.	{ Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 16, 20 and 26 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	3.25
No. 41 A.	{ Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 14, 16 and 18 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	3.25
No. 41 B.	{ Cuts $\frac{1}{2}$ in. to $\frac{1}{8}$ in. Right Hand, 16, 18 and 20 Threads to the inch. " " " " " 6 Taps and 3 Sets of Dies.	3.25
No. 42.	{ Cuts $\frac{1}{2}$ in. to $\frac{3}{16}$ in. Right Hand, 14 and 20 Threads to the inch. " $\frac{1}{2}$ " $\frac{3}{16}$ " Left " 14 " " " " " " "	3.50
	6 Taps and 3 Sets of Dies.	
No. 53.	{ Cuts $\frac{5}{16}$ in. to $\frac{1}{16}$ in. Right Hand, 16, 20, 24 and 32 Threads to the inch. " " " " " 4 Taps and 4 Sets of Dies.	2.75
No. 55.	{ Cuts $\frac{5}{16}$ in. to $\frac{1}{16}$ in. Right Hand, 18, 24 and 32 Threads to the inch. " " " " " 4 Taps and 3 Sets of Dies.	2.50

BLACKSMITHS' DRILLS.**COMPLETE SET OF DIES.**

For No. 1 or 2 Stock	\$12.00	For No. 25, 27 or 32 Stock	\$2.25
" 3 or 4 "	10.00	" 33 "	1.50
" 5 or 5½ "	8.00	" 34 "	2.00
" 6 "	6.00	" 35, 37, 38, 41 or 42 Stock	1.50
" 7 or 9 "	3.50	" 45 or 47 Stock	2.25
" 11 or 15 "	3.00	" 49 or 51 "	2.00
" 17 or 19 "	2.50	" 53 or 55 "	1.50
" 21 or 23 "	2.00		

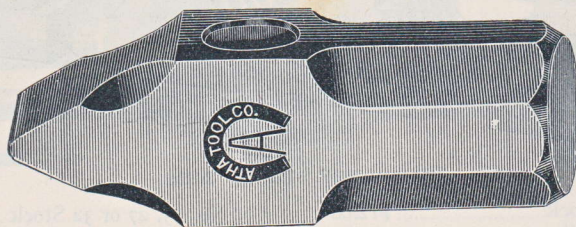
BLACKSMITHS' TAPER TAPS.

Size.	Hand.	Threads to Inch.	Taps in Box.	Each.
1½ inches.	R	6, 7, 8,	2	\$ 3.00
1½ "	L	6, 7, 8,	2	3.00
1¼ "	R	6; 7, 8, 9,	2	1.75
1¼ "	L	8, 9,	2	1.75
1 " "	R	7, 8, 9, 10,	2	1.25
1 " "	L	8, 9,	2	1.25
¾ " "	R	8, 9, 10,	4	.90
¾ " "	L	9,	4	.90
¾ " "	R	7, 8, 9, 10, 12, 14,	6	.65
¾ " "	L	10, 12,	6	.65
⅝ " "	R	10, 11, 12, 14, 16,	6	.50
⅝ " "	L	10, 12,	6	.50
⅞ " "	R	10, 12, 14, 16,	6	.50
⅞ " "	L	12,	6	.50
½ " "	R	10, 12, 14, 16, 18,	6	.40
½ " "	L	12, 14,	6	.40
⅞ " "	R	10, 12, 14, 16, 18,	6	.40
⅞ " "	L	14,	6	.40
⅜ " "	R	10, 12, 14, 16, 18, 20,	6	.35
⅜ " "	R	14, 16, 18, 20, 22,	6	.30
⅜ " "	R	16, 18, 20, 22, 24, 26,	6	.30
⅜ " "	R	24, 26, 28,	6	.30
⅜ " "	R	30, 32,	6	.30

SLEDGES, HAMMERS, ETC.

BLACKSMITHS' SLEDGES.

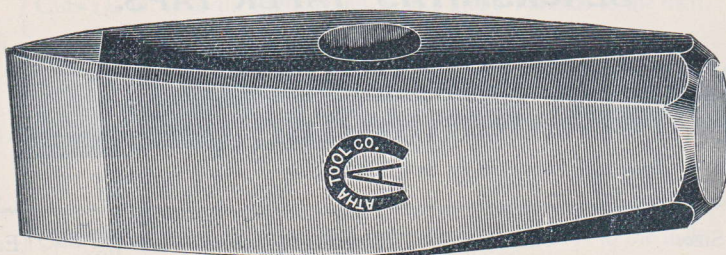
CROSS OR STRAIGHT PEIN.



Cross Pein.

Solid Cast Steel, weight under 3 lbs	.....	List per lb.,	.45
" " " " 3 to 5 lbs	.....	" "	.36
" " " " 5 to 20 lbs	.....	" "	.30

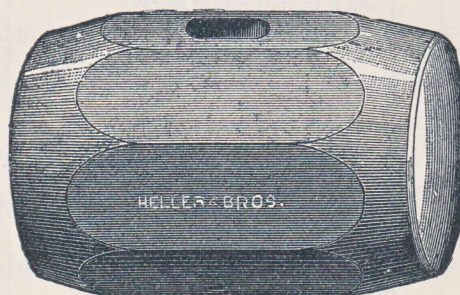
STONE SLEDGES.



Straight Pein.

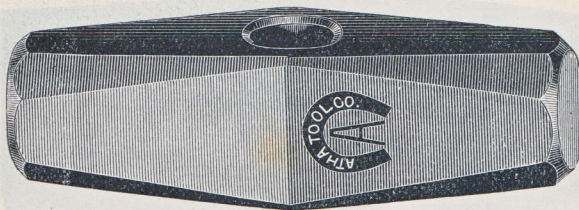
Solid Cast Steel, weight 5 to 20 lbs	List per lb.,	.30
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HELLER'S TURNING SLEDGE.

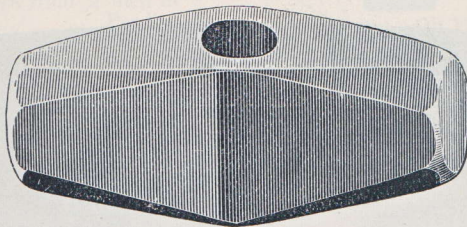


Solid Clay Crucible Cast Steel, 5 to 10 lbs	Per lb.,	.30
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DOUBLE-FACE STRIKING HAMMERS.



Colorado Pattern.



Oregon Pattern.

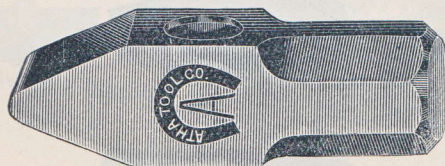
Solid Cast Steel, weight under 3 lbs	Per lb., .45
" " " " 3 to 5 lbs	.....	" .40
" " " " 5 to 10 lbs	.....	" .36

HAND DRILLING HAMMERS.



Solid Cast Steel, weight under 3 lbs	.....	Per lb., .45
" " " " 3 to 5 lbs	.....	" .40

BLACKSMITHS' HAND HAMMERS.



Black Finish. No Handles.

Solid Cast Steel, weight under 3 lbs	.....	Per lb., .45
" " " " 3 to 5 lbs	.....	" .36

SPALLING HAMMERS.

Single or Double Face.

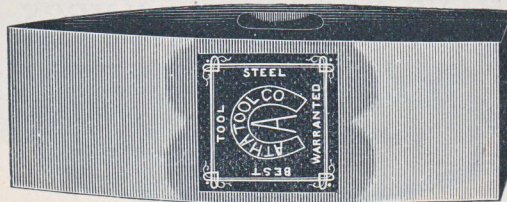


Single Face Spalling.



Double Face Spalling.

Solid Cast Steel, weight 8 to 20 lbs.....Per lb., .36

MASONS' HAMMERS.

Half Polished.

Solid Cast Steel, weight under 3 lbs	Per lb., .50
" " " " 3 to 5 lbs	" .45
" " " " 5 to 10 lbs	" .40

Blacksmiths' Cold and Hot Cutting Chisels.

Cold Cutting, Oil Finished.

Solid Cast Steel, weight 1 to 3 lbs Per lb., .40

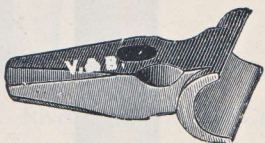


Hot Cutting, Oil Finished.

Solid Cast Steel, weight 1 to 3 lbs Per lb., .40

BLACKSMITHS' ANVIL TOOLS.

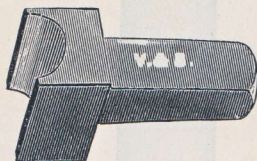
Blacksmiths' Top Swages.



Oil Finished.

Solid Cast Steel, Sizes from $\frac{1}{4}$ inch to 3 inches..... Per lb., .40

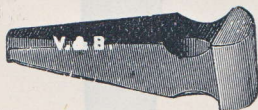
Blacksmiths' Bottom Swages.



Oil Finished.

Solid Cast Steel, Sizes from $\frac{1}{4}$ inch to 3 inches..... Per lb., .40

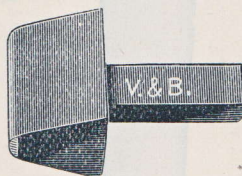
Blacksmiths' Top Fullers.



Oil Finished.

Solid Cast Steel, Assorted Sizes from $\frac{1}{4}$ inch to 3 inches Per lb., .40

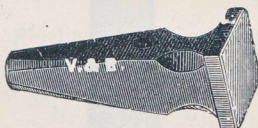
Blacksmiths' Bottom Fullers.



Oil Finished.

Solid Cast Steel, Assorted Sizes from $\frac{1}{4}$ to 3 inches, Assorted Shanks from $\frac{3}{4}$ to $1\frac{1}{4}$ inches Per lb., .40

Blacksmiths' Flatters.



Oil Finished.

Solid Cast Steel, Sizes from 2 inch to 4 inches..... Per lb., .40

Blacksmiths' Set Hammers.



Oil Finished.

Solid Cast Steel, $1\frac{1}{4}$ to 2 inch Square Face Per lb., .40

Blacksmiths' Anvil Hardies.



Oil Finished.

Solid Cast Steel..... Per lb., .40

Blacksmiths' Punches.



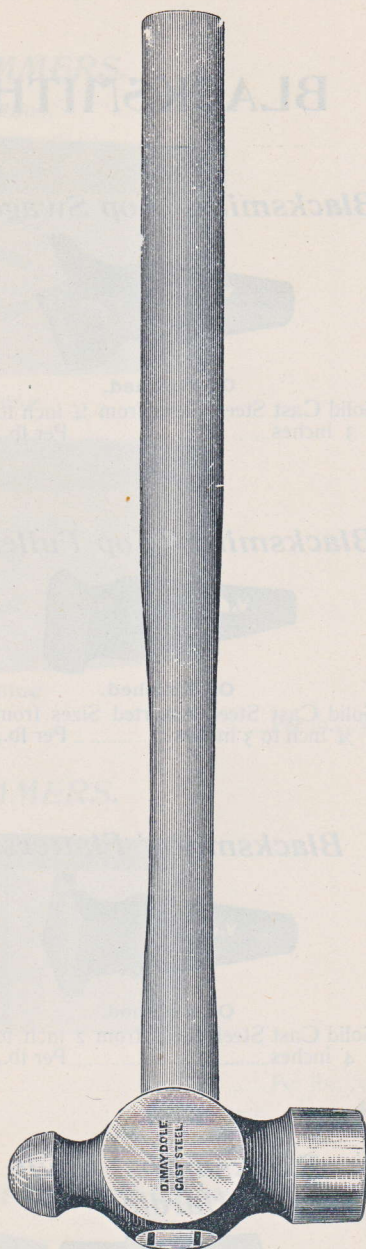
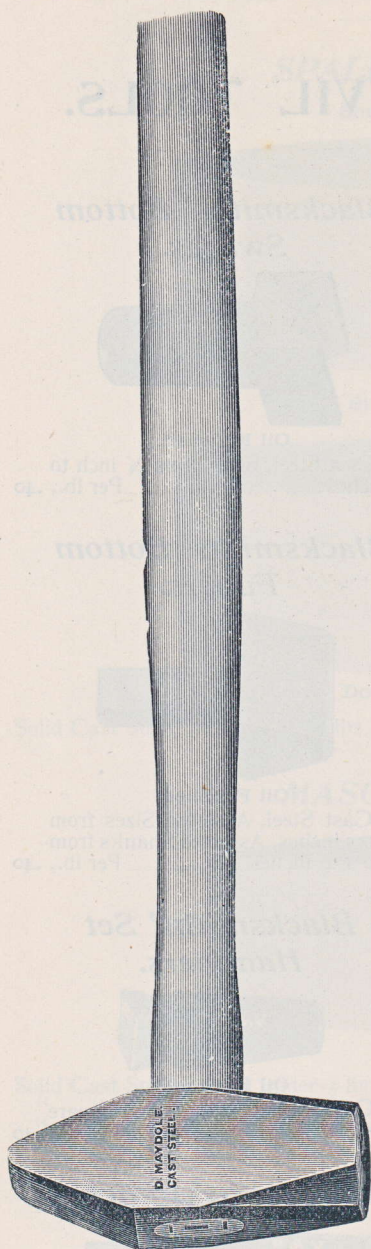
Round.

Solid Cast Steel, $\frac{3}{8}$ to 1 inch, Round or Square..... Per lb., .40

Heading Tools.



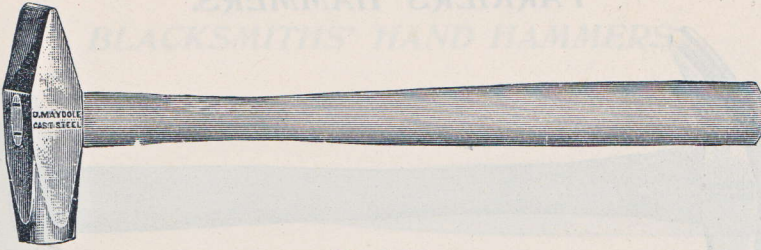
Solid Cast Steel, $\frac{1}{4}$ to 1 inch..... Per lb., .40

**MAYDOLE'S HAND HAMMERS.**

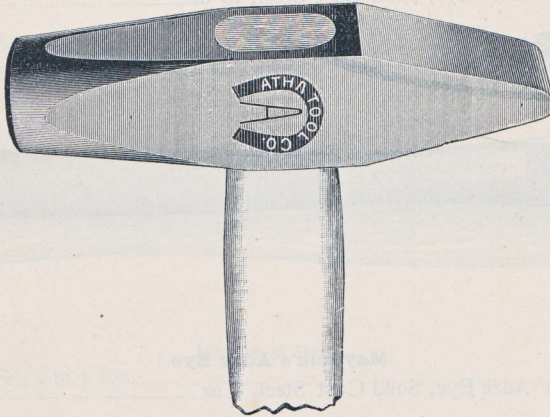
No. 61.	Blacksmiths' Hand Hammer, Solid Cast Steel, 3 lbs.	Per doz., \$11.00
" 62.	" " " " " " 2 " 10 OZ.	" 10.00

MAYDOLE'S BALL PEIN HAMMERS.

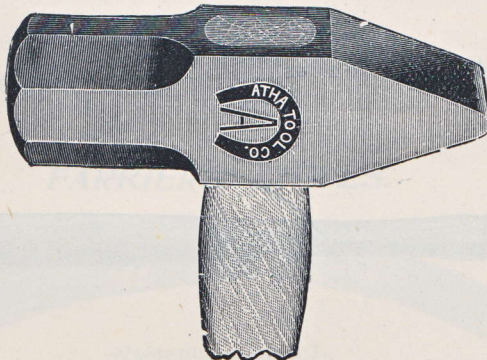
No. 70.	Machinists' Ball Pein, Solid Cast Steel, 3 lbs.	Per doz., \$15.00
" 70½.	" " " " " " 2½ " 4 OZ.	" 13.00
" 71.	" " " " " " 1½ " 14 OZ.	" 11.50
" 72.	" " " " " " 1 " 8 OZ.	" 10.50
" 73.	" " " " " " 1 " 4 OZ.	" 9.50
" 74.	" " " " " " 1 " 0 OZ.	" 9.00
" 75.	" " " " " " 1 " 12 OZ.	" 8.50

RIVETING HAMMERS.

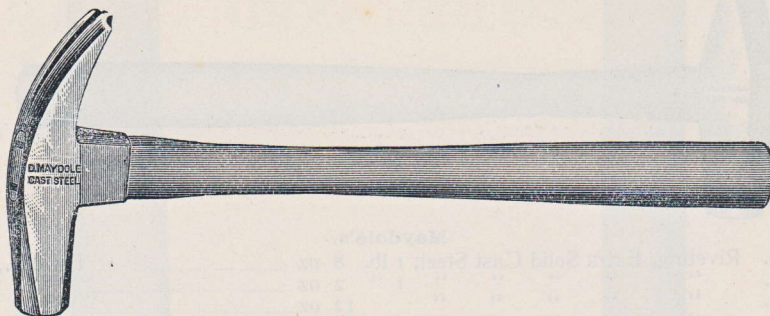
Maydole's.					Per doz.,	
No. 40.	Riveting, Extra Solid Cast Steel,	1 lb.	8 oz	.....	\$6.00	
" 41.	" " " " " "	1 "	2 oz	.....	"	5.00
" 42.	" " " " " "	"	12 oz	.....	"	4.25
" 43.	" " " " " "	"	7 oz	.....	"	3.50
" 44.	" " " " " "	"	4½ oz	.....	"	3.00



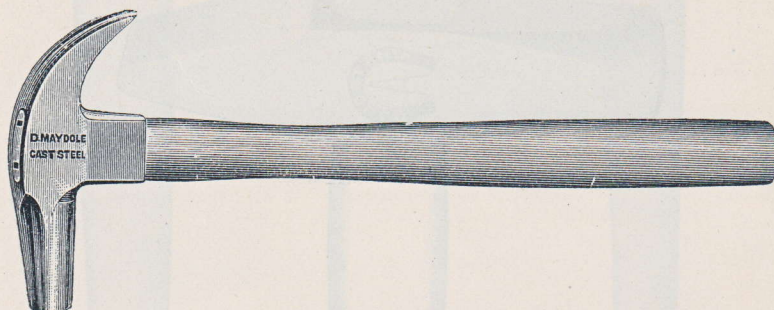
Atha Tool Co.'s.					Per doz.,	
No. o.	Riveting, Solid Cast Steel		6 oz	.....	\$5.50	
" 1.	" " " " " "		9 oz	.....	"	5.75
" 2.	" " " " " "		12 oz	.....	"	6.00
" 3.	" " " " " "	1 lb.	0 oz	.....	"	6.25
" 4.	" " " " " "	1 "	3 oz	.....	"	6.50
" 5.	" " " " " "	1 "	6 oz	.....	"	7.00
" 6.	" " " " " "	1 "	9 oz	.....	"	7.50
" 7.	" " " " " "	2 "	0 oz	.....	"	8.00

ATHA PLOW HAMMERS.

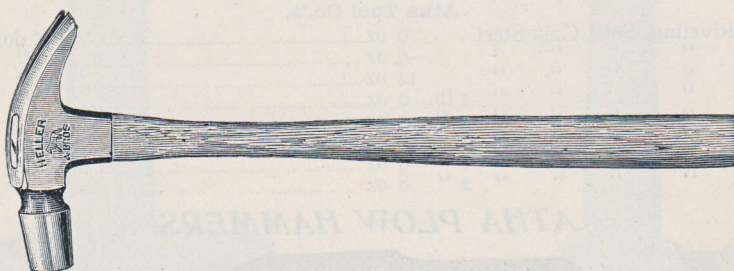
No. o.	Solid Cast Steel, Black Finish,	1 lb.	2 oz	.....	Per doz.,	\$12.00
No. 1.	" " " " " "	1 "	10 oz	.....	"	13.00

FARRIERS' HAMMERS.**Maydole's Boston Pattern.**

No. 152. Farriers' Adze Eye, Solid Cast Steel, 10 oz..... Per doz., \$6.00

**Maydole's Adze Eye.**

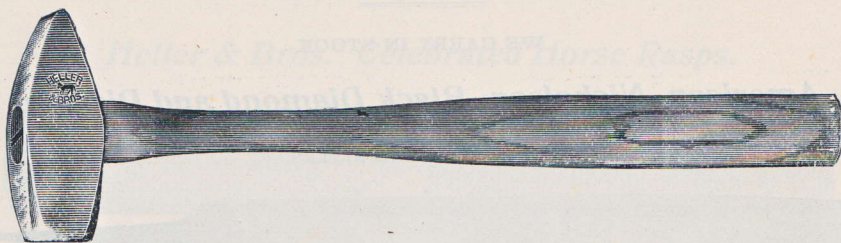
No. 153. Farriers' Adze Eye, Solid Cast Steel, 8 oz..... Per doz., \$5.00

**Heller's Pattern.**

Farriers' Driving Hammer, 13 to 20 oz..... Per doz., \$12.50

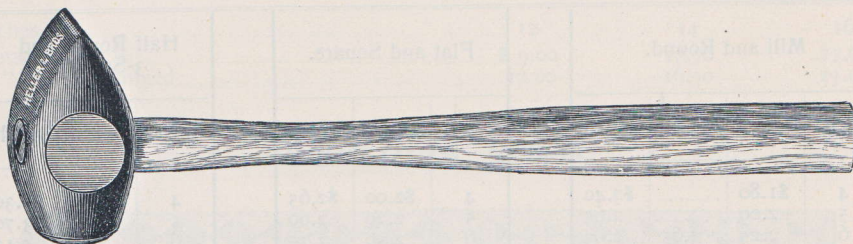
**Heller's.**

Farriers' Driving Hammer, 11 to 20 oz..... Per doz., \$10.00

BLACKSMITHS' HAND HAMMERS.

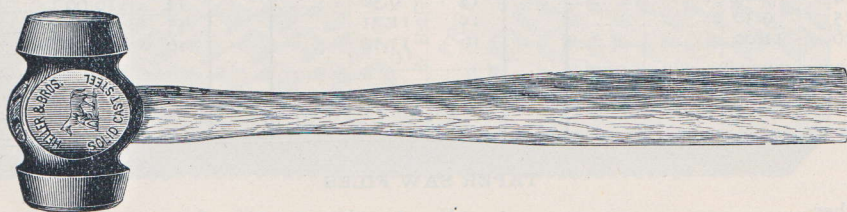
Heller & Bros.

Blacksmiths' Hand Hammers, 2 to 3 lb..... Per doz., \$13.00

CAT'S HEAD OR TURNING HAMMER.

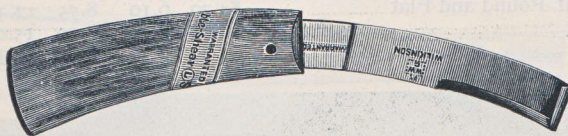
Heller & Bros.

Crucible Cast Steel, 2 to 3 lbs..... Per doz., \$24.00

ROUNDING HAMMERS.

Heller & Bros.

Crucible Cast Steel, 2 to 3 lbs..... Per doz., \$24.00

FARRIERS' KNIVES.

Wostenholm's I X L.

I X L Farriers' Knives.....	Per doz., \$5.00
I X L Farriers' Searchers, Narrow Blades.....	" 5.00

FILES.

WE CARRY IN STOCK

American, Nicholson, Black Diamond and Disston,

IN ALL SIZES AND STYLES.



Mill Bastard.

REVISED LIST--FILES.

December 1, 1885.

Mill and Round.				Flat and Square.			Half Round and 3-Square.		
Inch.	Bast'd.	2d Cut.	Sm'th.	Inch.	Bast'd.	Sm'th.	Inch.	Bast'd.	Sm'th.
4	\$1.80	.....	\$2.40	4	\$2.00	\$2.65	4	\$2.50	\$3.30
5	2.00	.....	2.65	5	2.20	2.90	5	2.80	3.70
6	2.25	2.65	2.95	6	2.50	3.25	6	3.20	4.15
7	2.55	3.00	3.30	7	2.90	3.75	7	3.70	4.80
8	2.90	3.40	3.70	8	3.40	4.35	8	4.30	5.50
9	3.30	3.85	4.20	9	4.00	5.10	9	5.00	6.40
10	3.80	4.40	4.80	10	4.70	5.90	10	5.80	7.30
11	4.50	5.20	.....	11	5.60	7.05	11	6.70	.....
12	5.40	6.20	.....	12	6.70	8.40	12	7.80	.....
13	6.50	.....	.....	13	8.00	.....	13	9.10	.....
14	7.80	.....	.....	14	9.50	.....	14	10.60	.....
15	9.30	.....	.....	15	11.21	.....	15	12.40	.....
16	11.00	.....	.....	16	13.10	.....	16	14.50	.....
.....
.....
.....

TAPER SAW FILES.

Inches.....	3	3½	4	4½	5	5½	6	7	8	9	10
Tapers, Double Cut.....	\$1.60	1.60	1.75	2.00	2.40	2.75	3.25	4.00	4.95	5.90	7.10
Slim Tapers, Double Cut.....	1.80	1.80	1.90	2.10	2.40	2.60	2.85	3.30	3.90	4.70	5.60

WOOD FILES AND RASPS.

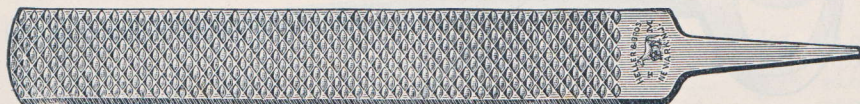
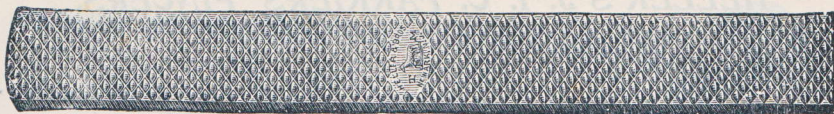
Inches	6	8	10	12	14	16
Wood Rasps, Half Round and Flat.....	\$4.20	6.10	8.75	12.30	16.90	22.50
Cabinet { Rasps.....	6.00	8.20	11.20	15.00	19.60	25.00
{ Files.....	4.20	6.10	8.75	12.30	16.90	22.50



Flat Bastard.

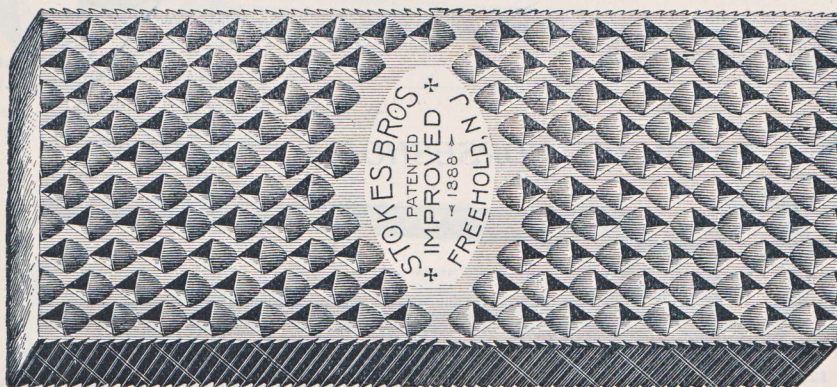
HORSE RASPS.

Heller & Bros.' Celebrated Horse Rasps.



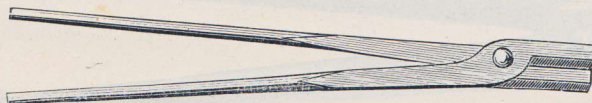
Inches	12	14	16
Horse Rasps	\$ 9.00	12.70	17.60
" " tanged	12.00	16.50	23.00

Stokes Bros.' Rasps.



Inches	12	14	16
List per doz	\$ 9.00	12.70	17.60

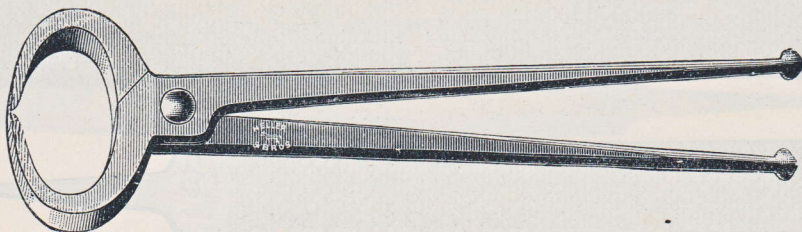
BLACKSMITHS' STRAIGHT LIP TONGS.



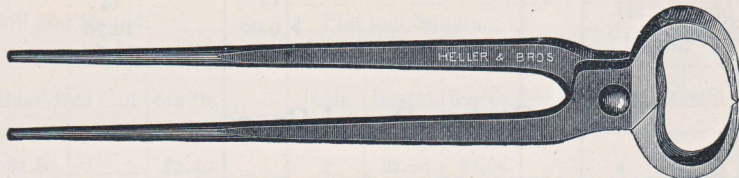
Inches	18	20	22	24	26
Weight per pair	lbs., 1¼	2½	3	3½	4
Price per lb., .....			.20		

FARRIERS' TOOLS.

HELLER'S J. I. C. FARRIERS' PINCERS.



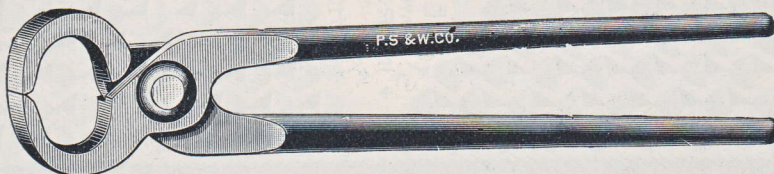
14 inch, Crucible Cast Steel..... Per doz., \$24.00
 16 " " " " " 30.00



Heller's Regular Pattern.

12 inch, Crucible Cast Steel..... Per doz., \$15.00
 13 " " " " " 16.00

FARMER'S HORSESHOEING PINCERS.



No. 12, 12 inch, Cast Steel..... Per doz., \$10.00
 No. 14, 14 inch " " " 12.00

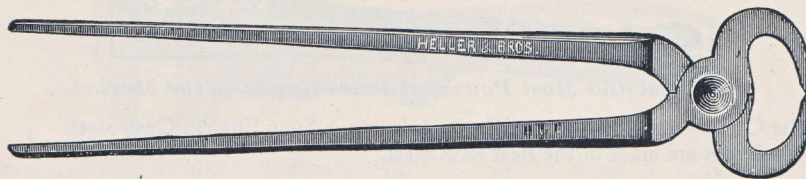
P. S. & W. CO'S BLACKSMITHS' PINCERS.



No. 32, 12 inch, Solid Cast Steel..... Per doz., \$14.00
 No. 34, 14 inch, " " " " " 16.00

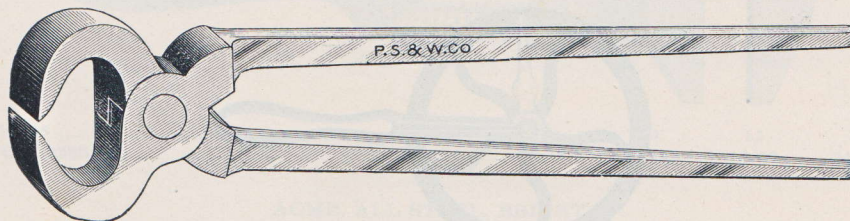
FARRIERS' TOOLS.

HELLER'S CUTTING NIPPERS.



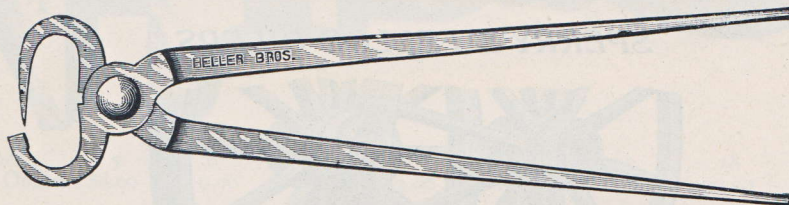
8 inch, Crucible Cast Steel.....	Per doz., \$14.00
10 " " " " " ".....	" 16.00
12 " " " " " ".....	" 20.00
14 " " " " " ".....	" 24.00

P. S. & W. Co's Blacksmiths' Cutting Nippers.



No. 22, 12 inch, Solid Steel, Full Polished.....	Per doz., \$15.00
No. 23, 14 " " " " " ".....	" 18.00

HELLER'S HOOF PARERS.



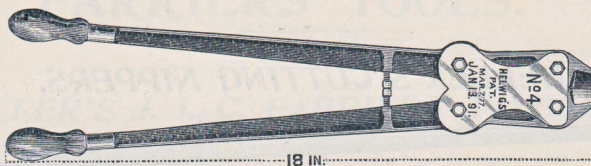
12 inch, Crucible Cast Steel.....	Per doz., \$20.00
14 " " " " " ".....	" 24.00

HELLER'S CLINCH TONGS.



14 inch, Crucible Cast Steel.....	Per doz., \$22.00
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HELWIG'S PATENT BOLT AND RIVET CLIPPERS.



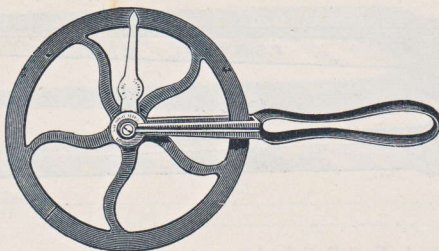
The Best and Most Powerful Bolt Clipper on the Market.

The Cutters are drop-forged of the best Jessop & Sons English Cast Steel.
The Plates are made of the Best Saw Steel.

All Parts are Interchangeable.

No. 4.	Weight, 2 lbs.	Length, 18 inches.	Cuts Bolt $\frac{5}{16}$ inch	Each, \$5.00
No. 3.	" 4 $\frac{1}{2}$ "	" 24 "	" " $\frac{7}{16}$ "	" 6.00
No. 2.	" 8 "	" 32 "	" " $\frac{9}{16}$ "	" 7.00

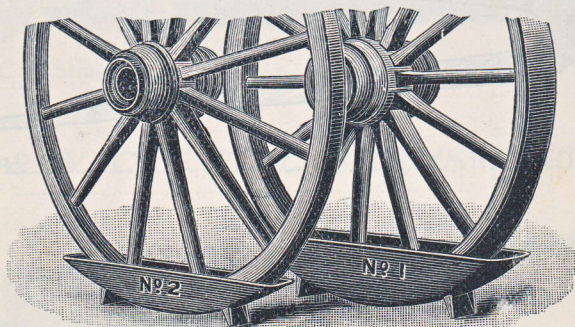
GREEN RIVER TIRE-MEASURING WHEELS==Plain.



A perfect-running Wheel, turned carefully in a Lathe.
The Wheel is a Drop-Forging.

Green River Tire-Measuring Wheel.....Each, \$1.25

SPERRY'S FELLOE OILERS.

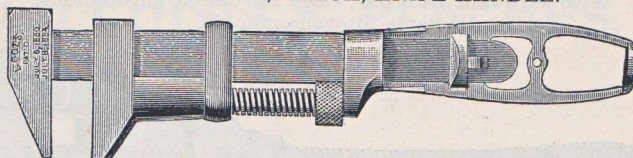


A light Cast Iron Tank for treating the Wheels of Wagons with Linseed Oil.
If properly used, it will not only preserve your Wheels indefinitely, but will save its cost in tire-setting the first season.

No. 1, for wide tire wheels, 34 inches long, 5 inches wide, 6 inches deep.....Each, \$2.50

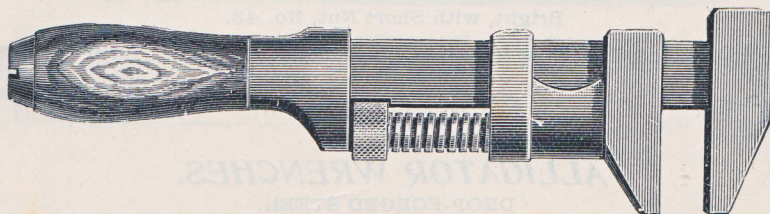
WRENCHES.

COE'S GENUINE, BLACK, KNIFE HANDLE.



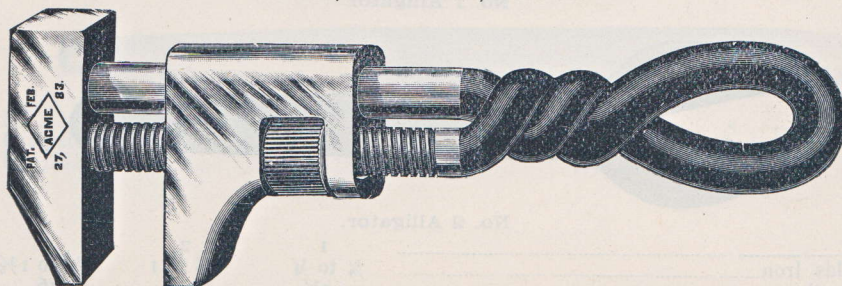
Inches.....	6	8	10	12	15	18	21
Per Dozen.....	\$ 9.00	10.00	12.00	14.00	24.00	30.00	36.00

AGRICULTURAL, WROUGHT BAR, BLACK.

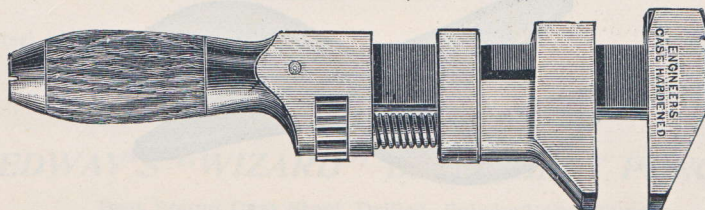


Inches.....	6	8	10	12	15
Per Dozen.....	\$ 9.00	10.00	12.00	14.00	24.00

ACME, ALL STEEL, BRIGHT.



Inches.....	5	6	8	10	12	15	18	21
Per Dozen.....	\$8.00	9.00	10.00	12.00	14.00	24.00	30.00	36.00

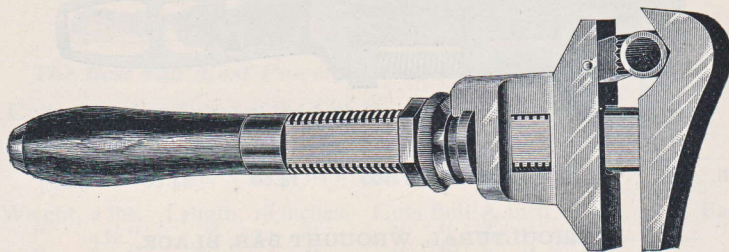
ENGINEER'S, WROUGHT BAR, EXTRA HEAVY,
CASE HARDENED, BLACK

Inches.....	6	8	10	12	15	18	21
Per Dozen.....	\$9.00	10.00	12.00	14.00	24.00	30.00	36.00

WRENCHES.

BEMIS & CALL COMBINATION WRENCHES.

With Wrought Iron Bar, Case Hardened Throughout.
Parts Interchangeable.



Bright, with Short Nut, No. 43.

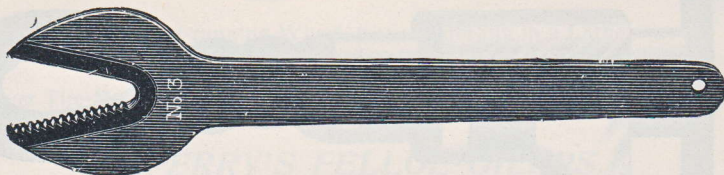
10 inch, adjustable to	Pipe from	$\frac{1}{4}$ inch to	1 inch in diameter	Per dozen, \$23.00
12 " "	" "	$\frac{1}{2}$ " "	$1\frac{3}{4}$ " "	" " 26.00
15 " "	" "	$\frac{1}{2}$ " "	$2\frac{1}{4}$ " "	" " 37.00
18 " "	" "	$\frac{1}{2}$ " "	3 " "	" " 60.00

ALLIGATOR WRENCHES.

DROP-FORGED STEEL.



No. 1 Alligator.

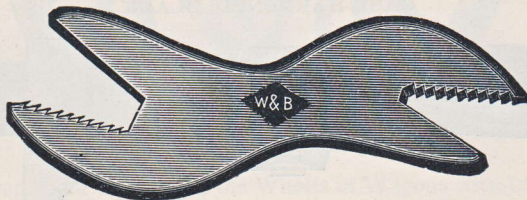


No. 2 Alligator.

No.....	1	2	3
Holds Iron.....	$\frac{1}{4}$ to $\frac{3}{4}$	$\frac{1}{2}$ to 1	$\frac{3}{4}$ to $1\frac{1}{8}$
Length.....	$5\frac{3}{4}$	10	16
Per Dozen.....	\$4.00	12.00	24.00

ALWAYS READY WRENCHES.

Nickle Plated.



No.....	1	2	$2\frac{1}{2}$
Holds Iron.....	$\frac{1}{4}$ to $\frac{3}{4}$	$\frac{1}{4}$ to $1\frac{1}{4}$	$\frac{1}{4}$ to $1\frac{3}{4}$
Length.....	3	6	8
Per Dozen.....	\$5.00	6.75	10.50

COLD CHISELS, PUNCHES, ETC.

BEST CAST STEEL COLD CHISELS.



OCTAGON.

Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Weight, per dozen..... Lbs.	$2\frac{1}{4}$	$3\frac{1}{2}$	7	10	14	18
Per Dozen.....	\$.90	1.20	2.00	3.00	5.00	7.00

OCTAGON MACHINE PUNCHES.

5½ INCH. BEST CAST STEEL.



No.....	3	4	5	6
Diameter at Point	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Per Dozen.....	\$1.50	1.50	1.50	1.50

DRIVE BELT PUNCHES.



Cast Steel, sizes 1, 2, 3, 4 and 5	Per dozen, \$1.30
“ “ “ 6, 7, 8, 9 and 10	“ 1.70

TREDWAY'S "WIZARD" DRIVE BELT PUNCHES.

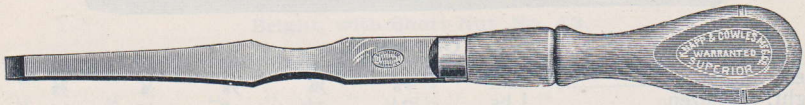
Best Round Cast Steel, Drilled, Polished and, Blued.

"Wizard," sizes 1, 2, 3, 4 and 5	Per dozen, \$2.00
“ “ “ 6, 7, 8, 9 and 10	“ 2.50

SCREW DRIVERS.

No. 1 SOLID CAST STEEL.

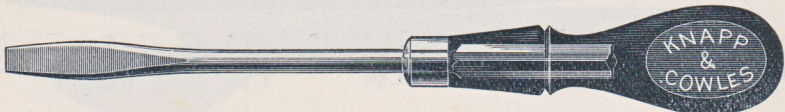
CAP FERRULE.



Inches, Blade.....	1 1/2	2	3	4	5	6	8	10
Per Dozen.....	\$1.00	1.60	2.15	2.65	3.20	3.75	5.50	8.00

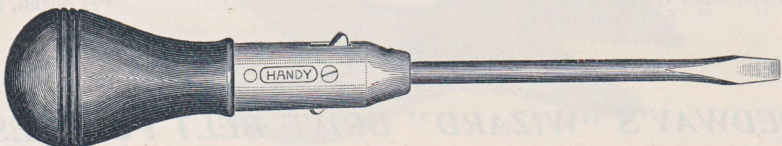
No. 3 ROUND SHANK.

BLACK ENAMELED HANDLE.



Inches, Blade.....	4	5	6	8
Per Dozen	\$3.50	4.00	5.00	7.00

HANDY RATCHET SCREW DRIVER.



No.	I	4	5	6
Inches, Blade	(pocket size)	4	5	6
Per dozen.....	\$6.00	7.00	8.00	9.00

SCREW DRIVERS.

HAWKEYE.

6 inch, Steel Shank, Malleable Head.....Per doz., \$3.00

ELECTRIC SPIRAL.

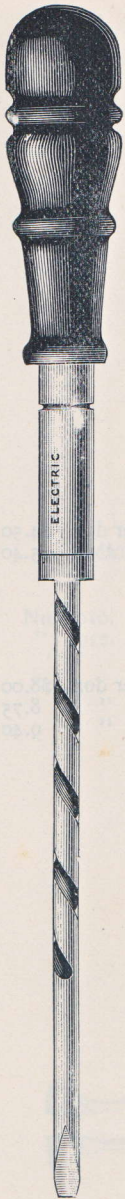
No. 01. 12 inch, extends to 18 inches.....Per doz., \$18.00

Jones' Reversible Spiral Clutch Triple Bit Screw Driver.

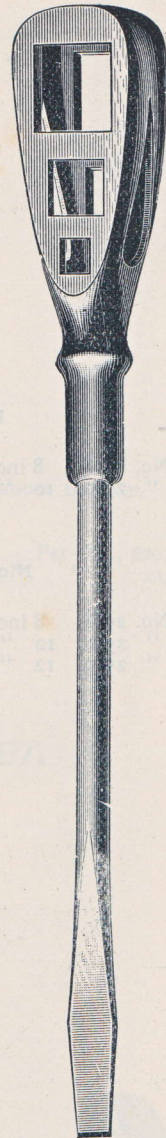
Jones', with three Bits, large size..... Per doz., \$36.00

Howard-Allard Spiral Clutch Triple Bit Screw Driver.

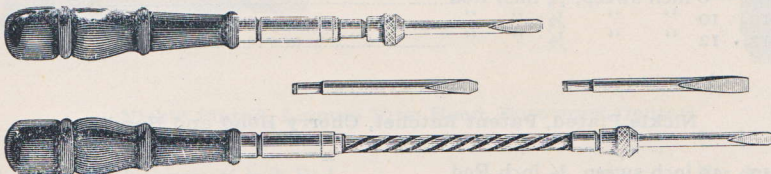
No. A 1, with three Bits, large size.....Per doz., \$24.00



Electric Spiral.

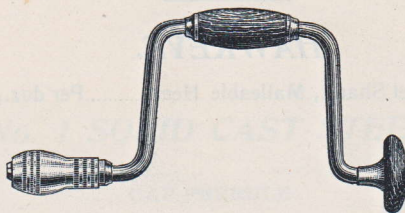


Hawkeye.



Howard-Allard Spiral Clutch Triple Bit Screw Driver.

BIT BRACES.



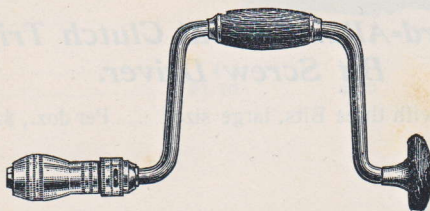
Polished, Adjustable Jaw, Cherry Head and Handle.

No. 2708.	8 inch sweep,	$\frac{7}{16}$ inch Rod	.....	Per doz.,	\$4.50
" 2710.	10 " " "	$\frac{1}{2}$ " "	.....	"	5.40

Nickle Plated, Adjustable Jaw, Cherry Head and Handle.

No. 2508.	8 inch sweep,	$\frac{7}{16}$ inch Rod	.....	Per doz.,	\$8.00
" 2510.	10 " " "	$\frac{1}{2}$ " "	.....	"	8.75
" 2512.	12 " " "	$\frac{1}{2}$ " "	.....	"	9.40

RATCHET BRACES.



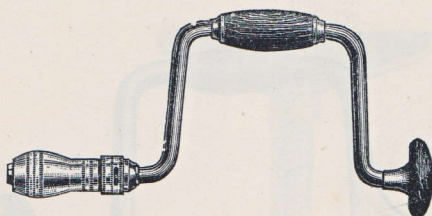
Polished, Patent Ratchet, Cherry Head and Handle.

No. 2608.	8 inch sweep,	$\frac{7}{16}$ inch Rod	.....	Per doz.,	\$ 9.75
" 2610.	10 " " "	$\frac{1}{2}$ " "	.....	"	10.50
" 2612.	12 " " "	$\frac{1}{2}$ " "	.....	"	11.25

Nickle Plated, Patent Ratchet, Cherry Head and Handle.

No. 2410.	10 inch sweep,	$\frac{1}{2}$ inch Rod	.....	Per doz.,	\$12.00
" 2412.	12 " " "	$\frac{1}{2}$ " "	.....	"	13.50

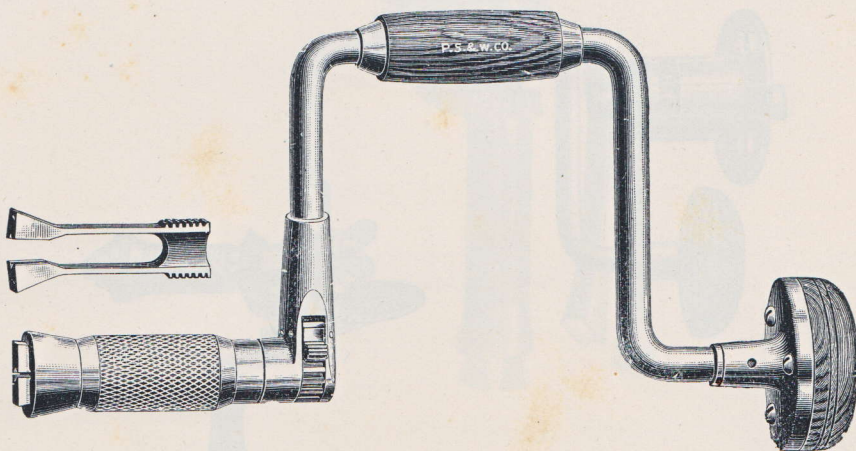
BIT BRACES.



Nickle Plated, Patent Ratchet, Lignum Vitæ Head and Cocoabola Handle.

No. 1010.	10 inch sweep,	$\frac{1}{2}$ inch Rod	.....	Per doz., \$20.25
" 1012.	12 " " "	$\frac{1}{2}$ " "	.....	" 22.50

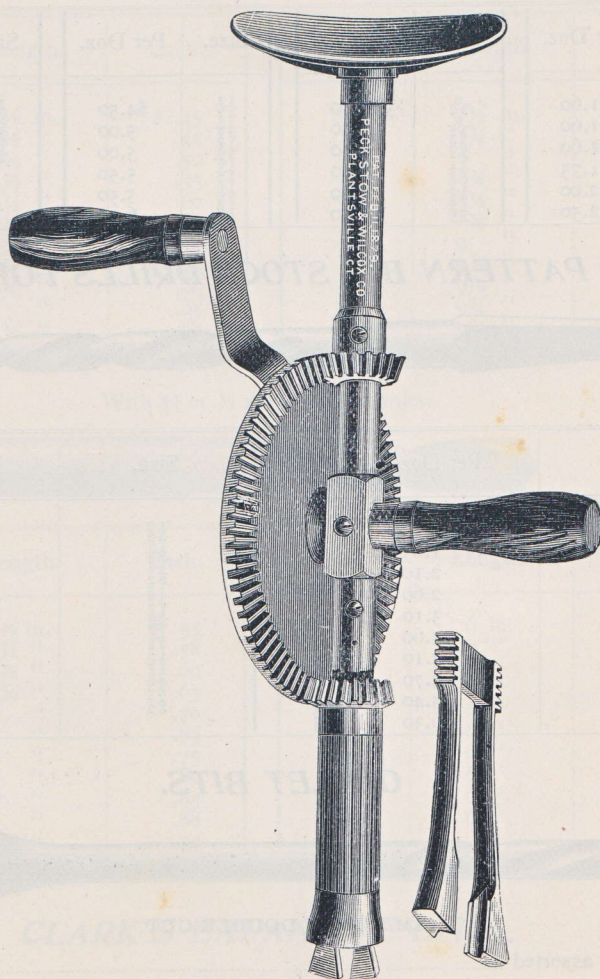
PECK'S PATENT, WITH RATCHET.



Nickle Plated, Lignum Vitæ Head, Rosewood Center.

No. 102.	10 inch sweep,	$\frac{1}{2}$ inch Rod	.....	Per doz., \$42.75
" 101.	12 " " "	$\frac{1}{2}$ " "	.....	" 46.00

BREAST DRILLS.



PECK'S ENAMELED, EXTRA FINISHED.

No. 5. Rosewood Handles, Adjustable Jaws.....Each, \$3.75

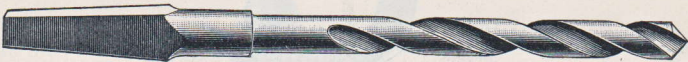
DRILL BITS.

SYRACUSE BIT STOCK DRILLS FOR WOOD.



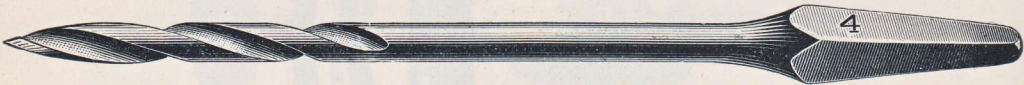
Size.	Per Doz.	Size.	Per Doz.	Size.	Per Doz.	Size.	Per Doz.
$\frac{3}{8}$	\$1.60	$\frac{3}{8}$	\$3.00	$\frac{1}{2}$	\$4.50	$\frac{3}{8}$	\$6.00
$\frac{3}{8}$	1.60	$\frac{3}{8}$	3.50	$\frac{3}{8}$	5.00	$\frac{3}{8}$	6.50
$\frac{4}{8}$	1.60	$\frac{1}{2}$	3.50	$\frac{1}{2}$	5.00	$\frac{3}{8}$	7.00
$\frac{4}{8}$	1.75	$\frac{1}{2}$	4.00	$\frac{1}{2}$	5.50		
$\frac{6}{8}$	2.00	$\frac{1}{2}$	4.00	$\frac{1}{2}$	5.50		
$\frac{6}{8}$	2.50	$\frac{1}{2}$	4.50	$\frac{1}{2}$	6.00		

MORSE PATTERN BIT STOCK DRILLS FOR METAL.



Size.	Per Dozen.	Size.	Per Dozen.
$\frac{3}{8}$	\$1.50	$\frac{1}{2}$	\$ 7.20
$\frac{3}{8}$	1.65	$\frac{1}{2}$	8.00
$\frac{4}{8}$	2.10	$\frac{1}{2}$	8.80
$\frac{4}{8}$	2.60	$\frac{1}{2}$	9.60
$\frac{6}{8}$	3.10	$\frac{1}{2}$	10.30
$\frac{6}{8}$	3.60	$\frac{1}{2}$	11.00
$\frac{7}{8}$	4.10	$\frac{1}{2}$	14.40
$\frac{7}{8}$	4.70	$\frac{1}{2}$	16.20
$\frac{10}{8}$	5.40	$\frac{1}{2}$	19.80
$\frac{11}{8}$	6.30		

GIMLET BITS.



AMERICAN DOUBLE CUT.

No. 1 to 6, or assorted..... Per dozen, \$1.20

GERMAN GIMLET BITS.



Inches.....	$\frac{2}{32}$ to $\frac{8}{32}$	$\frac{9}{32}$	$\frac{10}{32}$	$\frac{11}{32}$	$\frac{12}{32}$
Per Dozen.....	\$1.40	1.60	1.80	1.90	2.00

BLACKSMITHS' TWIST DRILLS.

With $\frac{1}{2} \times 2\frac{1}{2}$ inch Shanks.



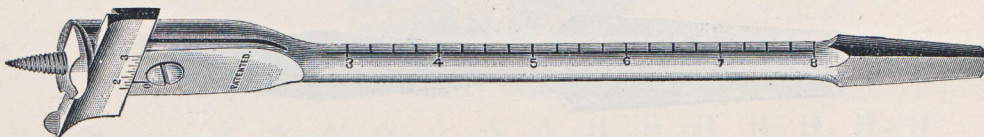
Size.	Length.	Each.	Size.	Length.	Each.
$\frac{1}{8}$	5 $\frac{1}{8}$ in.	\$.45	$\frac{15}{32}$	7 $\frac{1}{2}$ in.	\$.95
$\frac{5}{32}$	5 $\frac{3}{8}$ "	.45	$\frac{1}{2}$	7 $\frac{3}{4}$ "	1.00
$\frac{3}{16}$	5 $\frac{5}{8}$ "	.50	$\frac{17}{32}$	8 "	1.10
$\frac{1}{4}$	5 $\frac{7}{8}$ "	.55	$\frac{9}{16}$	8 $\frac{1}{4}$ "	1.20
$\frac{5}{16}$	6 $\frac{1}{8}$ "	.60	$\frac{19}{32}$	8 $\frac{1}{2}$ "	1.30
$\frac{3}{8}$	6 $\frac{1}{4}$ "	.65	$\frac{5}{8}$	8 $\frac{3}{4}$ "	1.40
$\frac{7}{16}$	6 $\frac{3}{8}$ "	.70	$\frac{21}{32}$	9 "	1.50
$\frac{1}{2}$	6 $\frac{1}{2}$ "	.75	$\frac{11}{16}$	9 $\frac{1}{4}$ "	1.60
$\frac{5}{8}$	6 $\frac{3}{4}$ "	.80	$\frac{3}{4}$	9 $\frac{1}{2}$ "	1.70
$\frac{3}{4}$	7 "	.85	$\frac{7}{8}$	9 $\frac{3}{4}$ "	1.85
$\frac{7}{8}$	7 $\frac{1}{4}$ "	.90	$\frac{23}{32}$	9 $\frac{7}{8}$ "	2.00
$\frac{15}{16}$			$\frac{25}{32}$		

With $\frac{41}{64}$ or $\frac{5}{8} \times 2\frac{1}{4}$ inch Shanks.



Size.	Length.	Each.	Size.	Length.	Each.
$\frac{1}{8}$	4 $\frac{7}{8}$ in.	\$.55	$\frac{15}{32}$	6 in.	\$.93
$\frac{5}{16}$	4 $\frac{7}{8}$ "	.58	$\frac{1}{2}$	6 "	.95
$\frac{3}{8}$	5 $\frac{1}{8}$ "	.60	$\frac{1}{2}$	6 "	.98
$\frac{1}{2}$	5 $\frac{1}{8}$ "	.65	$\frac{9}{16}$	6 "	1.00
$\frac{3}{4}$	6 "	.70	$\frac{1}{2}$	6 "	1.03
$\frac{1}{4}$	6 "	.73	$\frac{5}{8}$	6 "	1.05
$\frac{9}{32}$	6 "	.75	$\frac{2}{3}$	6 "	1.10
$\frac{5}{16}$	6 "	.80	$\frac{1}{2}$	6 "	1.15
$\frac{1}{2}$	6 "	.85	$\frac{1}{2}$	6 "	1.20
$\frac{3}{8}$	6 "	.88	$\frac{2}{3}$	6 "	1.25
$\frac{1}{2}$	6 "	.90	$\frac{3}{4}$		

CLARK'S EXPANSIVE BITS.

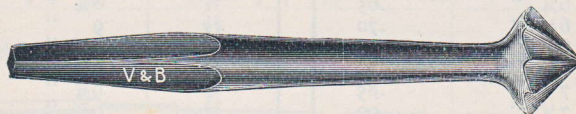


No. 1, small size, cuts from $\frac{1}{2}$ to $1\frac{1}{2}$ inches	Per dozen, \$18.00
No. 2, large " " " $\frac{7}{8}$ to 3 " "	26.00

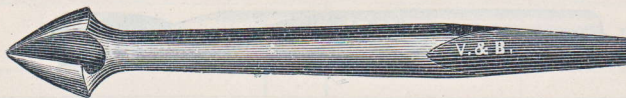
COUNTERSINKS, REAMERS, ETC.



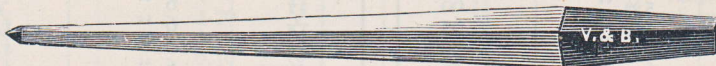
No. 12, Flat Countersink, Best Cast Steel, for Iron Per dozen, \$1.50



No. 13, Rose Head, Best Cast Steel, for Brass..... Per dozen, \$1.50

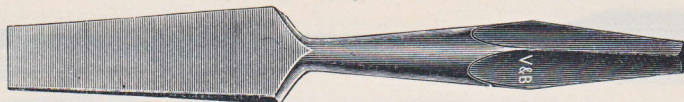


No. 14, Snail Head, Best Cast Steel, for Wood..... Per dozen, \$1.50



NO. 15 SQUARE REAMER.

No. 15, Extra Tool Steel, Square, Polished	Per dozen, \$1.50
No. 16, " " " Half Round, "	" 1.50
No. 17, " " " Octagon, "	" 1.50
No. 18, " " " Taper, "	" 1.50

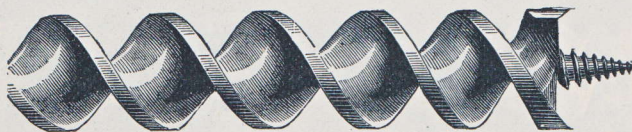


NO. 10 SCREW DRIVER BITS.

No. 10, Extra Cast Steel, Full Polished	Per dozen, \$1.50
No. 11, " " " Slotted, Full Polished	" 1.50

CAST STEEL AUGER BITS.

Ives' Superior Quality Cast Steel Auger Bits.



Sizes,	$\frac{3}{16}$	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$	$\frac{16}{16}$	$\frac{18}{16}$
Per doz.,	\$3.50	3.00	3.00	3.25	3.25	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.25	8.00	10.00
Sets, 24 Quarters															Per set, \$4.00
“ 32½ “															“ 5.50

Tredway's "Wizard." == Jennings' Pattern Auger Bits.



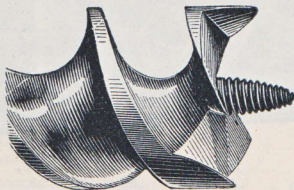
POLISHED SHANKS.

EVERY BIT WARRANTED.

Packed One-Half Dozen in Slide-Lid Wooden Boxes.

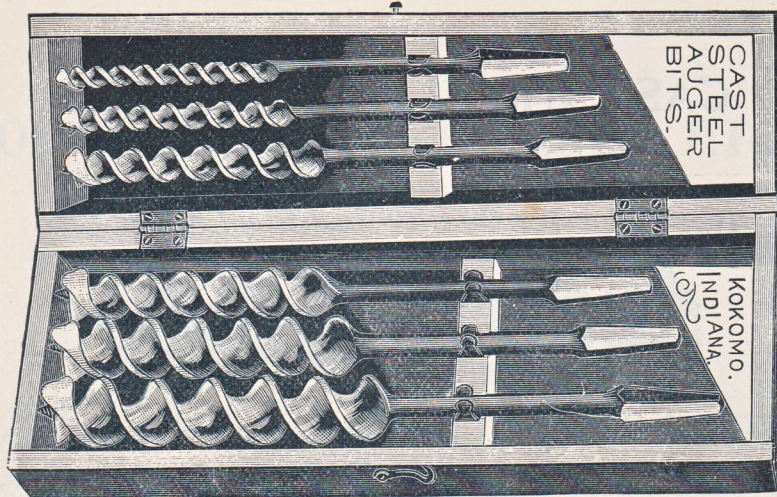
Sizes,	$\frac{3}{16}$	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$	$\frac{16}{16}$	$\frac{18}{16}$
Per doz.,	\$3.50	3.00	3.40	3.80	4.40	4.80	5.20	5.60	6.10	6.60	7.20	7.80	8.40	9.00	
Sets, 24 Quarters															Per set, \$5.50
“ 32½ “															“ 6.25

GENUINE JENNINGS AUGER BITS.



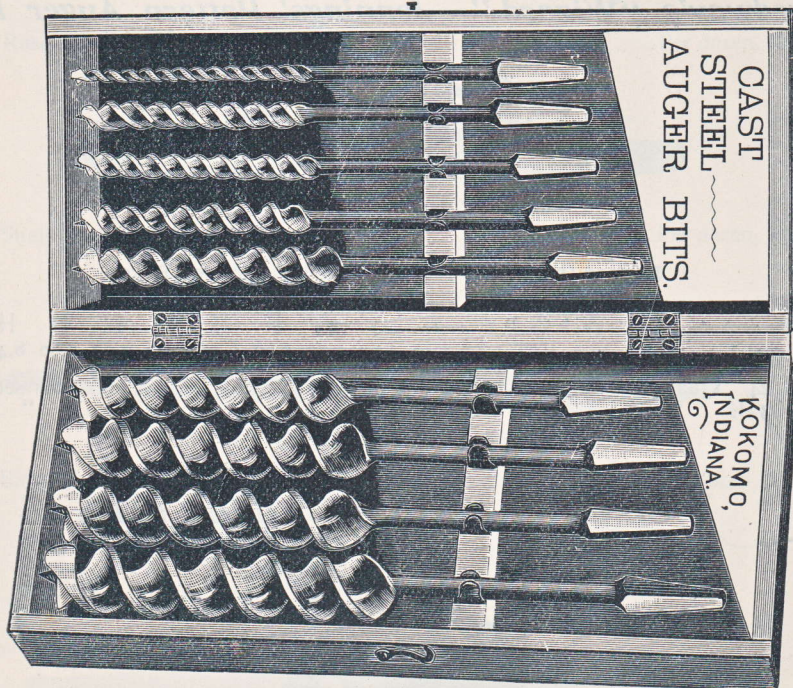
Sizes,	$\frac{3}{16}$	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$	$\frac{16}{16}$	$\frac{18}{16}$
Per doz.,	\$3.50	3.00	3.40	3.80	4.40	4.80	5.20	5.60	6.10	6.60	7.20	7.80	8.40	9.00	
Sets, 32½ Quarters															Per set, \$6.25

Sets of Auger Bits==In Varnished Hardwood Boxes.



Six Bits to a Set.

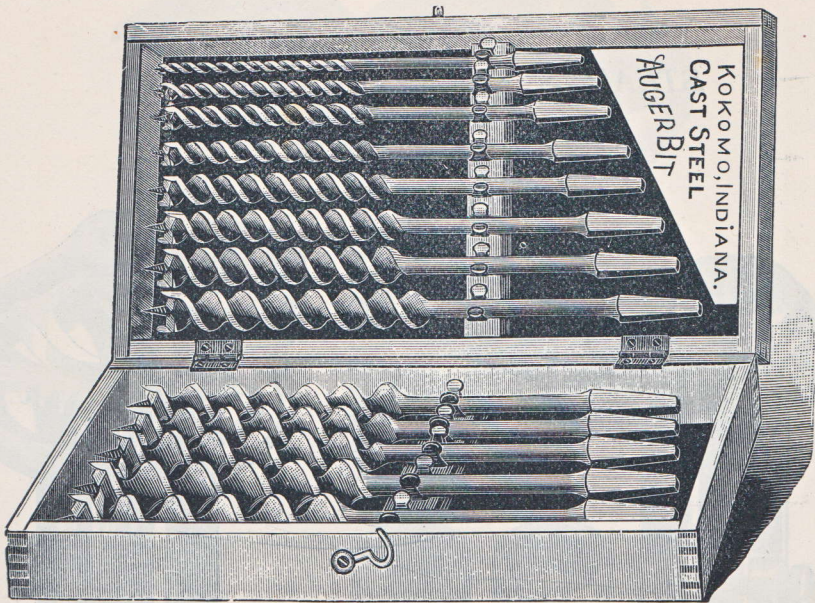
Set No.	H.	One Bit each	$\frac{4}{16}$, $\frac{5}{16}$, $\frac{6}{16}$, $\frac{8}{16}$, $\frac{10}{16}$, $\frac{12}{16}$	Ives' Old Style	Per set, \$1.80
"	H W.	"	"	Wizard Auger Bits	3.10
"	H J.	"	"	Genuine Jennings Bits....	2.50



Nine Bits to a Set.

Set No.		Nine Bits to Set.															
T.	One Bit each	$\frac{1}{16}$	$\frac{2}{16}$	$\frac{3}{16}$	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$	
		Ives' Old Style.....														Per set, \$2.70	
"	T W.	"	"	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$		
		Wizard Auger Bits.....														" 4.95	
"	T J.	"	"	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{7}{16}$	$\frac{8}{16}$	$\frac{9}{16}$	$\frac{10}{16}$	$\frac{11}{16}$	$\frac{12}{16}$	$\frac{13}{16}$	$\frac{14}{16}$	$\frac{15}{16}$		
		Genuine Jennings Bits.....														" 4.40	

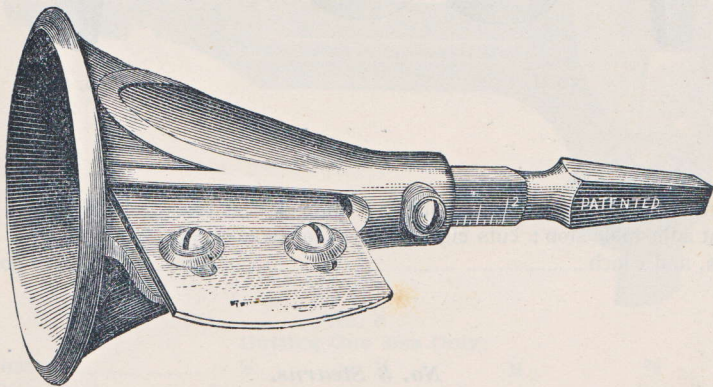
AUGER BITS IN SETS.



Thirteen Bits to a Set.

Set No. 32½.	One Bit each	$\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, \frac{7}{8}, 1, 1\frac{1}{8}, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 1\frac{1}{2}, 1\frac{1}{4}, 1\frac{1}{8}, 1\frac{1}{16}$	
		Ives' Old Style	Per set, \$3.70
" 32½ W.	"	$\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, \frac{7}{8}, 1, 1\frac{1}{8}, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 1\frac{1}{2}, 1\frac{1}{4}, 1\frac{1}{8}, 1\frac{1}{16}$	" 6.75
		Wizard Auger Bits	
" 32½ J.	"	$\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, \frac{7}{8}, 1, 1\frac{1}{8}, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 1\frac{1}{2}, 1\frac{1}{4}, 1\frac{1}{8}, 1\frac{1}{16}$	" 6.75
		Genuine Jennings Bits	

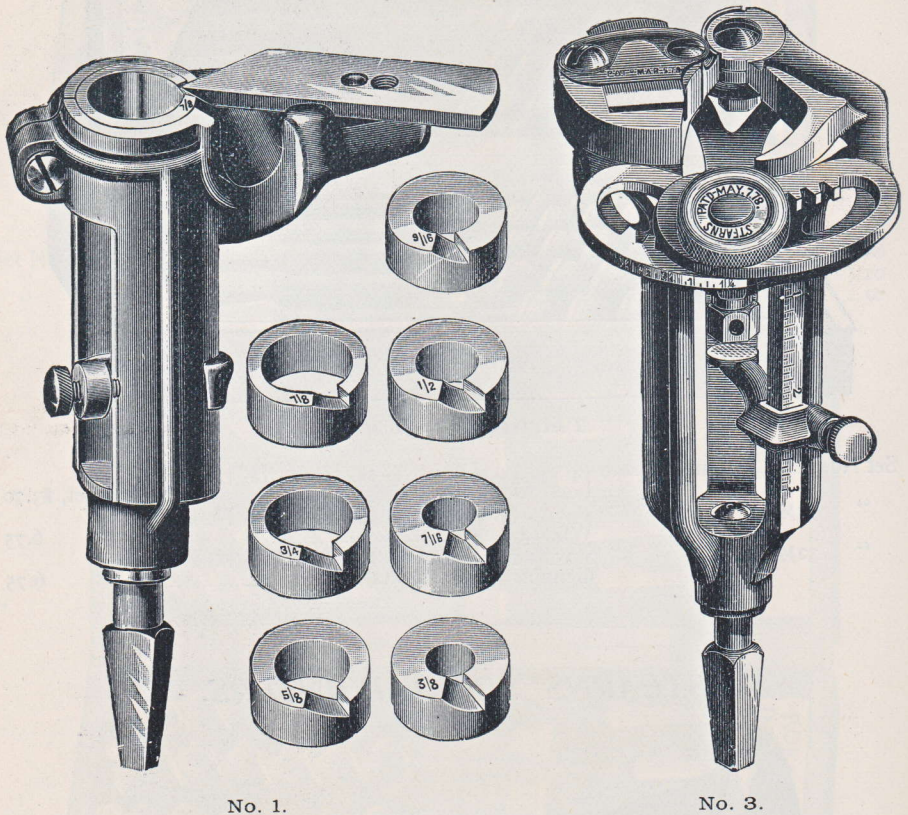
STEARNS' SPOKE POINTERS.



With Graduated Adjustable Shank.

No. 1.	Points up to 1½ inches diameter	Per doz., \$9.00
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STEARNS' PATENT ADJUSTABLE HOLLOW AUGERS.



No. 1.

No. 3.

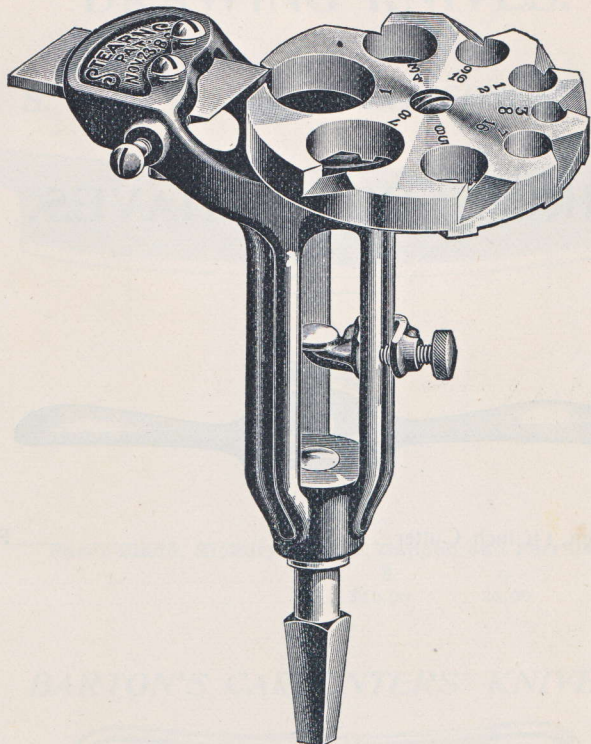
No. 1 Stearns.

Made of malleable iron and nicely finished; knife of best tool steel; has patent adjustable stop; cuts eight sizes, as follows, $\frac{3}{8}$, $\frac{7}{8}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, and 1 inch..... Per doz., \$48.00

No. 3 Stearns.

Cuts any size tenon from $\frac{1}{4}$ to $1\frac{1}{4}$ inches; the pivoted jaws are provided with a graduated scale by which the size of the tenon is regulated..... Per doz., \$60.00

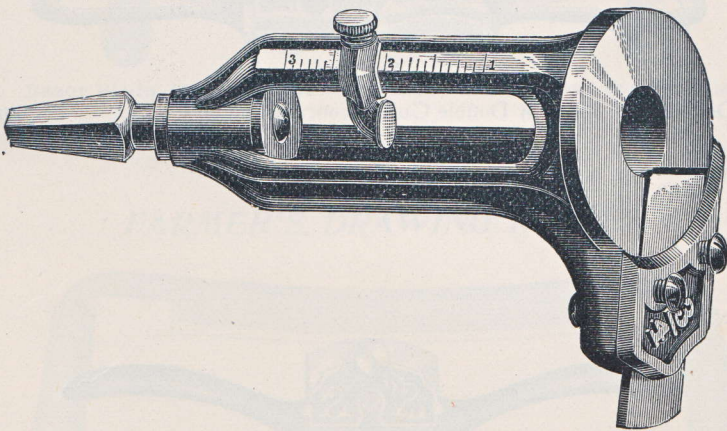
IMPROVED BONNEY'S ADJUSTABLE HOLLOW AUGERS.



No. 4.

No. 4 Bonney's. Cuts tenons from $\frac{3}{8}$ to 1 inch.....Per doz., \$48.00

STEARNS' HOLLOW AUGER.



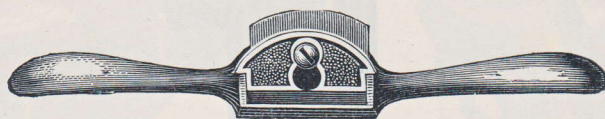
No. 6.

Cutting One Size Only.

Size, inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
With Bits, Per doz.....	\$12.00	14.00	14.00	16.00	16.00
Without " "	8.00	9.00	9.00	13.00	13.00

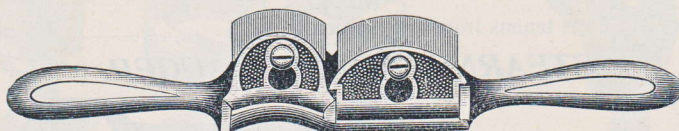
No. 6 is sent without bits unless otherwise ordered.

IRON SPOKE SHAVES.



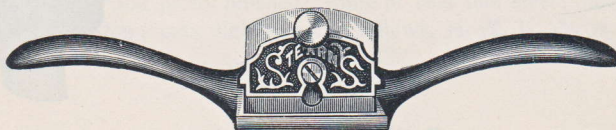
No. 1.

No. 1. Single Iron, $1\frac{3}{4}$ inch Cutter Per doz., \$1.75



No. 3.

No. 3. Double Iron, $1\frac{3}{4}$ inch Double Cutter, concave and straight.....Per doz., \$3.00



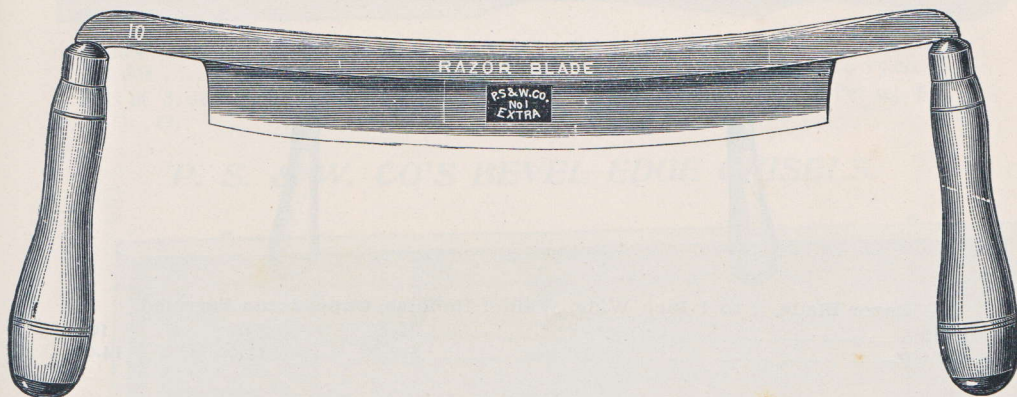
No. 6.

No. 6. Stearns, $2\frac{1}{8}$ inch Cutter, adjustable cap, raised handles..... Per doz., \$3.50

Packed one dozen in a box.

DRAWING KNIVES.

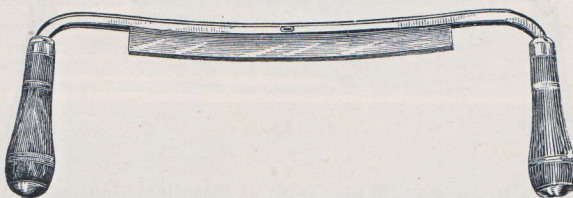
P. S. & W. CO'S CARPENTERS' KNIVES.



Razor Blade, Hickory Handle, Capped and Ferruled.

Inches	8	9	10	11
Per doz.,	\$19.00	20.00	21.00	22.00

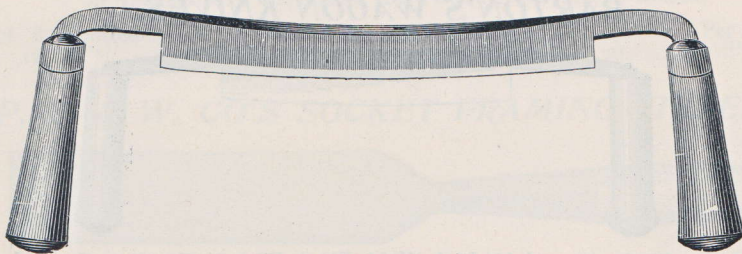
BARTON'S CARPENTERS' KNIVES.



Razor Blade, Walnut Handle, 1 1/4 Inch Wide, Capped and Ferruled.

Inches	8	9	10
Per doz.,	\$12.00	13.00	14.00

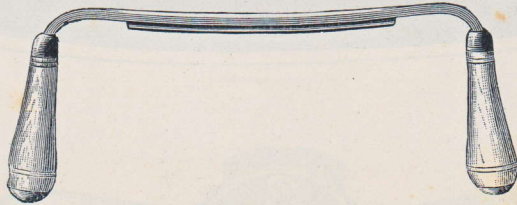
FARMER'S DRAWING KNIVES.



Inches	7	8	9	10	11
Per doz.,	\$13.00	14.00	15.00	16.00	17.00

DRAWING KNIVES.

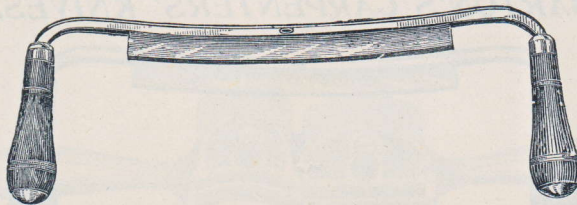
BARTON'S CARRIAGE KNIVES.



Razor Blade, $\frac{3}{4}$ to 1 Inch Wide, Walnut Handles, Capped and Ferruled.

Inches.....	8	9	10
Per doz.,.....	\$12.00	13.00	14.00

BARTON'S COACH KNIVES.



Razor Blade, $1\frac{1}{4}$ to $1\frac{1}{2}$ Inch Wide, Walnut Handles, Capped and Ferruled.

Inches.....	8	9	10
Per doz.,.....	\$13.00	14.00	15.00

BARTON'S WAGON KNIVES.

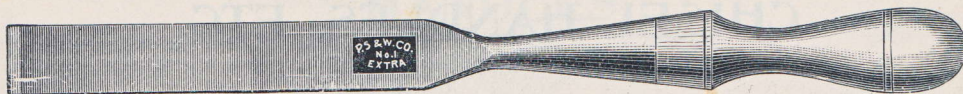


Heavy Blade, $1\frac{1}{4}$ and $1\frac{1}{2}$ Inch Wide, Black Walnut Handles, Capped.

Inches.....	8	9	10
Per doz.,.....	\$13.00	14.00	15.00

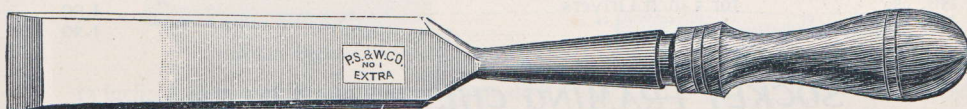
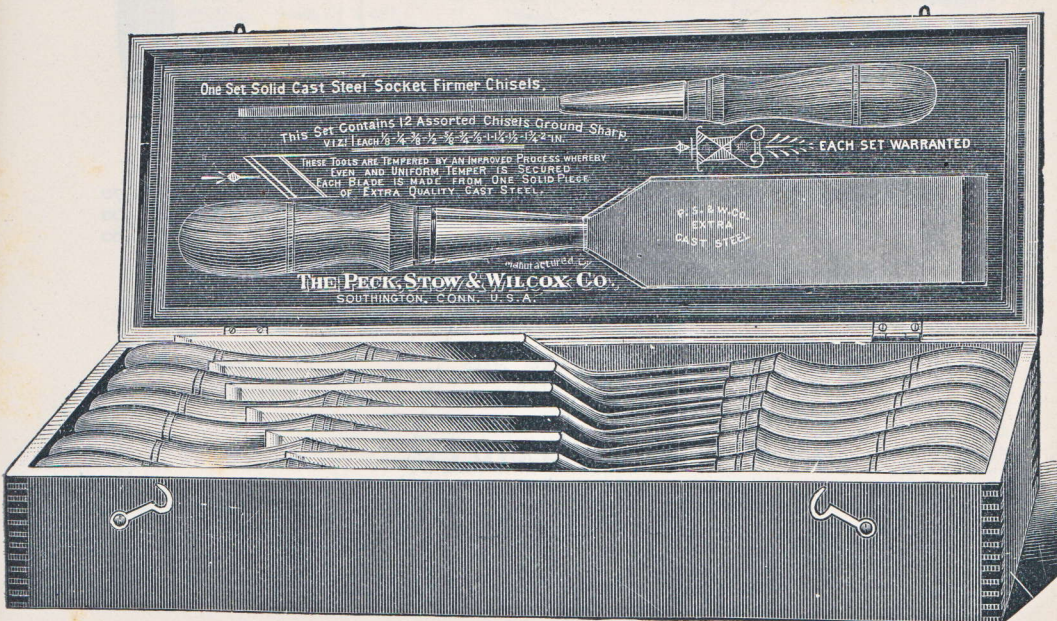
CHISELS.

P. S. & W. CO'S SOCKET FIRMER CHISELS.



Inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per doz.,	\$8.00	8.00	8.00	9.00	10.00	11.00	11.00	12.00	13.00	14.00	15.00	16.00
Sets of 8, assorted (1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2)	Per set, \$ 8.25											
" 12, " (1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2)	" 11.25											

P. S. & W. CO'S BEVEL EDGE CHISELS.



In Sets only, in Varnished Hardwood Dove-Tailed Boxes.

Sets of 8, assorted (1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2)	Per set, \$10.00
" 12, " (1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2)	" 13.00

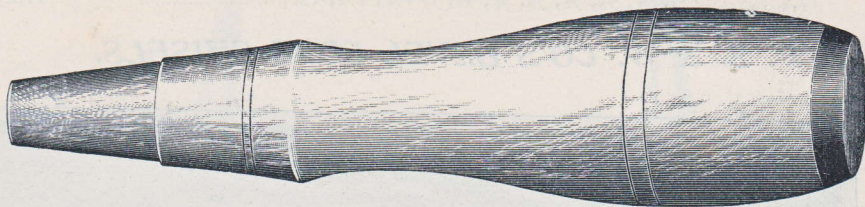
P. S. & W. CO'S SOCKET FRAMING CHISELS.



Inches	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per doz.,	\$12.00	12.00	12.00	13.00	14.00	15.00	16.00	18.00	20.00	22.00	24.00

CHISEL HANDLES, ETC.

SOCKET FIRMER CHISEL HANDLES.



Fibre Head Socket Firmer.

No. 2.	Polished Hickory, with Vulcanized Fibre Head	Per doz., \$1.70
No. 53.	“ “ “ assorted four larger sizes	“ .60
No. 57.	“ “ “ extra large	“ .80

SHANK FIRMER CHISEL HANDLES.

No. 33.	Polished Hickory, assorted four larger sizes	Per doz., \$.60
No. 35.	“ “ “ extra large	“ .80

FILE HANDLES.

No. 23.	Basswood, assorted large sizes	Per doz., \$.40
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SCREW DRIVER HANDLES.

No. 11.	Beechwood, assorted sizes for 5, 6 and 8 inch	Per doz., \$1.20
No. 5.	“ “ for 5 inch Drivers	“ 1.00
No. 6.	“ “ “ “ “ “	“ 1.20

SOCKET FRAMING CHISEL HANDLES.



Fibre Head Socket Framing.

No. 3.	Polished Hickory, with Vulcanized Fibre Head	Per doz., \$2.00
No. 73.	“ “ “ assorted four larger sizes	“ .80
No. 75.	“ “ “ extra large	“ 1.00

HANDLES.

SLEDGE HANDLES.



30 inch	Excelsior Sledge Handles, second growth	Per doz.,	\$1.60
36 "	" " " " " "	"	2.00
30 "	No. 1 " " all white	"	1.25
36 "	" " " " " "	"	1.60
36 "	Sperry Maul " " " "	"	1.45

HAMMER HANDLES.



Riveting.



Blacksmith's.

Round Eye, Extra Quality, Second Growth, All White Hickory.

12 inch	Riveting	Per doz.,	\$.60
13 "	"	"	.60
14 "	"	"	.60
15 "	"	"	.60
16 "	Blacksmiths'	"	.65
18 "	"	"	.80
20 "	"	"	.90
22 "	"	"	.95
24 "	"	"	1.05
28 "	"	"	1.25

NAIL HAMMER HANDLES.



Adze Eye.



Round Eye.

13 inch,	Adze Eye or Round Eye, extra quality	Per doz.,	\$.60
14 "	" " " " " " " "	"	.60

HATCHET HANDLES.



Shingling.



Bench.

13 inch,	extra quality, for No. 1 Hatchet	Per doz.,	\$.60
14 "	" " " " 2 "	"	.60
15 "	" " " " 3 "	"	.60
16 "	" " " " 3 and 4 Bench Hatchet	"	.65
18 "	" " " " 5 and 6 " "	"	.85

HANDLES, ETC.

SAW HANDLES.



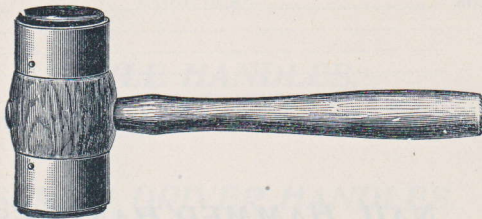
No. 2.

No. 2.	Hand Saw Handles, Beech, varnished edges.....	Per doz., \$1.75
" 3.	" " " plain	" 1.50
" D 8.	" " " Applewood, varnished	" 6.50
" 4.	Panel " " Beech, varnished edges	" 1.75

PLANE HANDLES.

Jack Plane Handles, Beech, plain finish.....	Per doz., \$.60
Fore or Jointer Plane Handles, Beech, plain finish.....	" .90

MALLETS.



Vulcanized Fibre Head.

No. 2½.	Vulcanized Fibre Head, 2½ inches, malleable iron band.....	Per doz., \$7.50
" 3.	" " " 3 " " " " " "	" 9.00

Hickory Mallets.

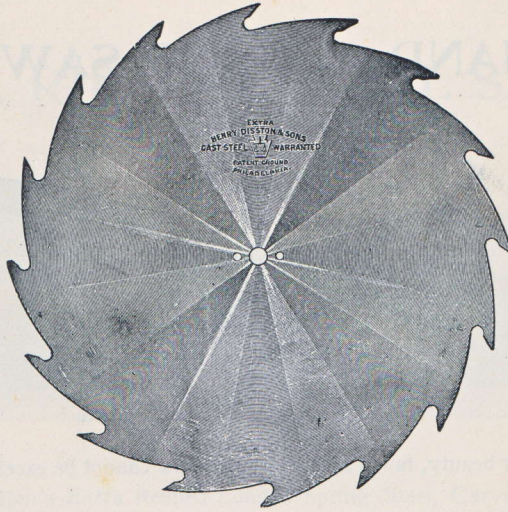
No. 1.	Round Hickory, Mortised, 5x3 inches	Per doz., \$1.50
" 2.	" " " " 5½x3½ inches.....	" 2.00
" 3.	" " " " 6x4 inches	" 2.50
" 8.	Square " " 6x2½x3½ inches	" 2.00
" 9.	" " " " 6½x2¾x3¾ inches.....	" 2.50
" 10.	" " " " 7x3x4 inches	" 3.00

Lignum Vitæ Mallets.

No. 5.	Round Lignum Vitæ, Mortised, 5x3 inches.....	Per doz., \$3.00
" 6.	" " " " 5½x3½ inches.....	" 4.00
" 7.	" " " " 6x4 inches	" 5.00
" 11.	Square " " 6x2½x3½ inches	" 3.75
" 12.	" " " " 6½x2¾x3¾ inches.....	" 4.75
" 13.	" " " " 7x3x4 inches	" 5.75

Iron Socket Mallets.

No. 15.	Round, Iron Center, Hickory ends, 4½x2½ inches.....	Per doz., \$4.00
" 16.	" Malleable Iron Socket, 5¾x3 inches.....	" 7.50

HENRY DISSTON & SONS' CIRCULAR SAWS.

Ground and Tempered.
Circular, Cross Cut or Rip Saws.

Diameter, Inches.	Thickness, Gauge.	Size of Hole, Inches.	Each.	Extra for each Additional Gauge.
4	19	$\frac{3}{4}$	\$ 1.00	.03
5	19	$\frac{3}{4}$	1.20	.04
6	18	$\frac{3}{4}$	1.40	.05
7	18	$\frac{3}{4}$	1.70	.06
8	18	$\frac{7}{8}$	2.00	.08
9	17	$\frac{7}{8}$	2.50	.10
10	16	1	3.00	.12
11	16	1	3.50	.14
12	15	1	3.75	.17
14	15	$1\frac{1}{8}$	4.50	.21
16	14	$1\frac{1}{8}$	5.50	.25
18	13	$1\frac{1}{4}$	7.00	.30
20	13	$1\frac{1}{4}$	8.50	.35
22	12	$1\frac{5}{8}$	10.00	.45
24	11	$1\frac{3}{8}$	12.00	.55
26	11	$1\frac{3}{8}$	14.00	.65
28	10	$1\frac{1}{2}$	16.00	.80
30	10	$1\frac{1}{2}$	18.00	.90
32	10	$1\frac{5}{8}$	20.00	1.00
34	9	$1\frac{5}{8}$	22.50	1.20
36	9	$1\frac{5}{8}$	25.50	1.40
38	9	$1\frac{5}{8}$	30.00	1.75
40	9	2	35.00	2.00
42	8	2	42.00	2.50
44	8	2	50.00	3.00
46	8	2	60.00	3.50
48	7	2	70.00	4.00
50	7	2	80.00	4.50
52	7	2	90.00	5.00
54	7	2	100.00	6.00
56	7	2	115.00	7.00
58	7	2	130.00	8.00
60	6	2	145.00	9.00

No extra charge for Saws one gauge thicker than list.
Prices on Mandrels for Circular Saws given upon application.

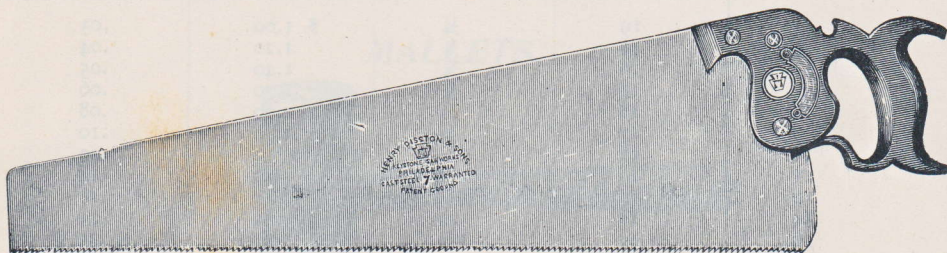
HAND AND RIP SAWS.



H. E. Tredway's Patent Ground.

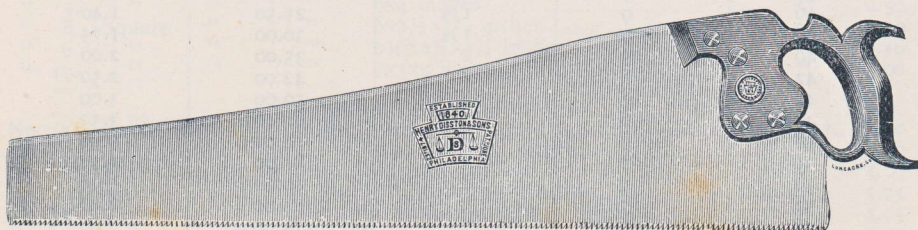
For beauty, finish and utility, this saw cannot be excelled.

- | | |
|--|-------------------|
| H. E. Tredway's Hand, Skew Back, Carved Applewood Handle, Four Nickel Plated Brass Screws, Thin Ground on Back, 26 inches, 6, 7, 8, 9 or 10 point..... | Per doz., \$17.50 |
| H. E. Tredway's Rip, same, 28 inches, 4, 4½, 5, 5½ or 6 point..... | 20.00 |



Disston's No. 7.

- | | |
|---|-------------------|
| No. 7. Disston's Hand, Cast Steel, Beech Handle, 26 inches..... | Per doz., \$20.00 |
| “ 7. “ “ Rip “ “ “ 28 “ | 23.50 |



Disston's D 8.

- | | |
|---|-------------------|
| D 8 Disston's Hand, Skew Back, Polished Applewood Handle, 26 in | Per doz., \$22.00 |
| D 8 “ “ Rip “ “ “ 28 in..... | 25.00 |

HAND, RIP AND PANEL SAWS.



Disston's No. 12.

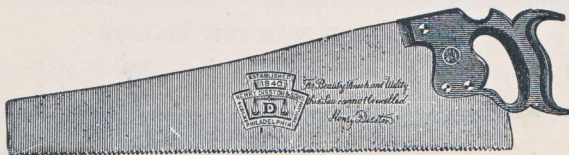
No. 12. Hand, Disston's Extra Refined London Spring Steel, Carved Handle, 26 inches	Per doz., \$30.00
No. 12. Rip, same, 28 inches.....	34.00



No. 7 Panel.

No. 7 Panel, Disston's Cast Steel, Beech Handle.

Length	16	18	20	22
Per doz.,	\$13.00	14.00	16.00	18.00

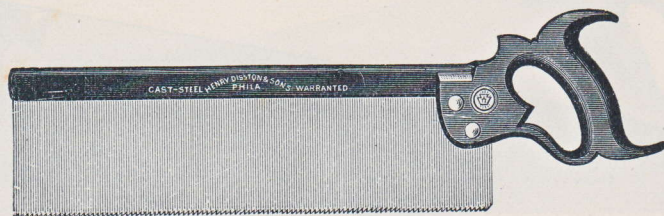


No. D 8.

No. D 8 Panel, Disston's Skew Back, Polished Applewood Handle.

Length	16	18	20	22
Per doz.,	\$14.50	16.00	17.50	19.50

BACK AND COMPASS SAWS.

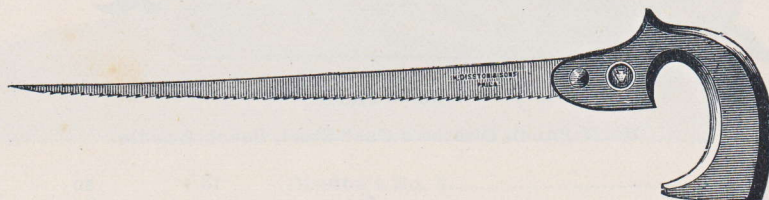


Disston's No. 7 Back.

No. 7. Polished Back, Applewood Handle, Length, inches.....	10	12	14	16
Per doz.,	\$15.00	17.00	19.00	21.00

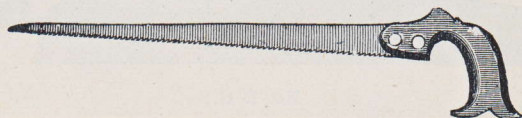
No. 4 Back Saws for Mitre Box.

No. 4. Disston's, 4 inches under back, Length, inches	20	22	24
Per doz.,	\$24.00	26.00	28.00



Disston's No. 2 Compass.

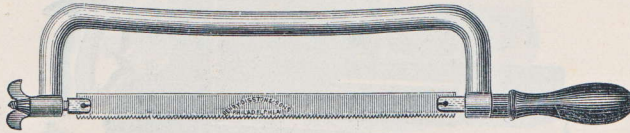
No. 2. Applewood Handle, Length, inches.....	12	14	16
Per doz.,	\$4.50	4.75	5.00



Monumental Compass.

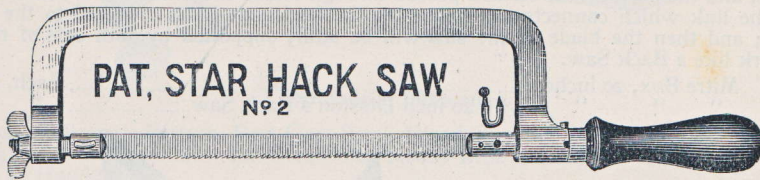
Applewood Handles, Cast Steel, Length, inches.....	12	14	16
Per doz.,	\$3.50	3.75	4.00

HACK SAWS AND BLADES.



Disston's Improved.

Length, inches	8	10	12
Per doz.,	\$13.25	13.75	14.25
Extra Blades, Per doz.,	2.80	3.25	3.75



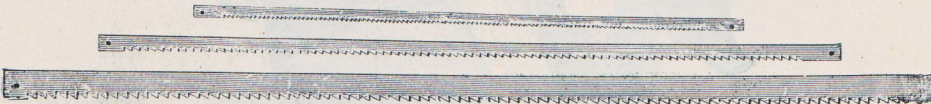
No. 2. Solid Steel Frame, takes 8-inch Blades, Polished and Nickled,.....Per doz., \$12.00

As seen in the above cut, these frames are all made adjustable, so as to face the blades in four different directions. They also have the patent staple-shaped pins to hold the blades in the frame, which are so arranged that they cannot fall out.

STAR HACK SAW BLADES.

Length of Blade, inches	8	10
Per doz.,	\$ 1.00	1.25

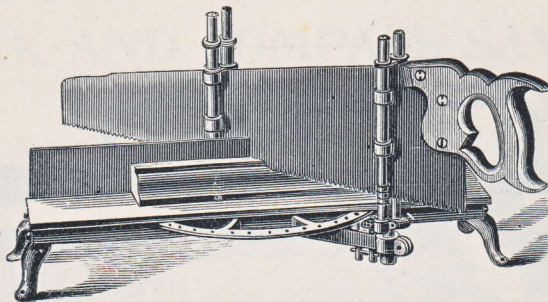
These saws have a file temper, so that a blade costing 5 cents will cut iron and soft steel steadily for several hours, doing more work than \$1.00 worth of files. Both the frames and blades of the Star Saws are now as perfect as human skill can make them.



FELLOE WEB SAW BLADES.

8 inches, 19 guage, $\frac{3}{16}$ to $\frac{1}{2}$ wide	Per doz., \$1.45
10 " 18 " $\frac{1}{8}$ to $\frac{1}{2}$ "	" 1.60
12 " 18 " $\frac{1}{4}$ to $\frac{1}{2}$ "	" 1.85
14 " 17 " $\frac{1}{4}$ to $\frac{1}{2}$ "	" 2.10
16 " 17 " $\frac{1}{4}$ to $\frac{3}{8}$ "	" 2.35
18 " 17 " $\frac{1}{4}$ to $\frac{3}{8}$ "	" 2.70
20 " 17 " $\frac{1}{4}$ to $\frac{3}{4}$ "	" 3.00
22 " 17 " $\frac{1}{4}$ to $\frac{3}{4}$ "	" 3.30
24 " 17 " $\frac{1}{4}$ to $\frac{7}{8}$ "	" 3.65
26 " 17 " $\frac{1}{4}$ to $\frac{7}{8}$ "	" 4.00
28 " 17 " $\frac{1}{4}$ to 1 "	" 4.40
30 " 16 " $\frac{1}{4}$ to 1 "	" 4.80

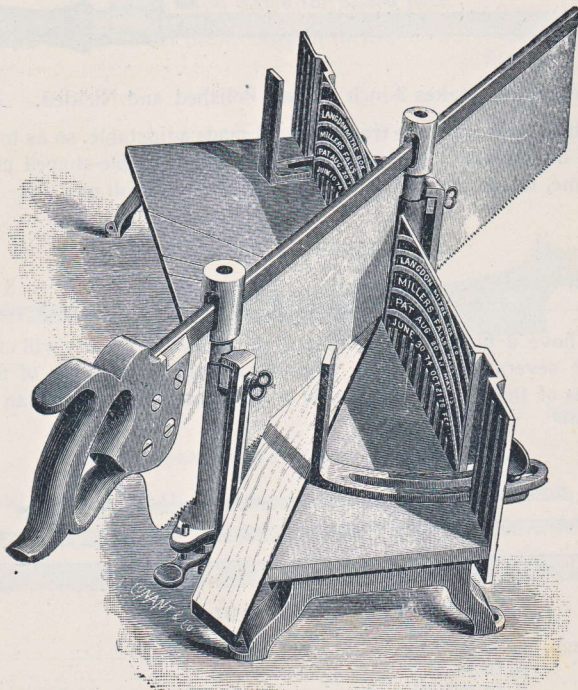
MITRE BOXES.



STANLEY'S IMPROVED.

This Mitre Saw can be used with a Back Saw or a Panel Saw equally well. If a Back saw is used, both links which connect the rollers, or guides, are left in the upper grooves, and the back of the saw is passed through under the links. If a Panel Saw is used, the link which connects the rollers on the back spindle is changed to the lower groove; and then the blade of the saw will be stiffly supported by both sets of rollers, and work like a Back Saw.

No. 50.	Mitre Box, 20 inches	.....	Each, \$ 7.00
" 60.	" " " " with 20 inch Disston's Back Saw	.....	" 10.00

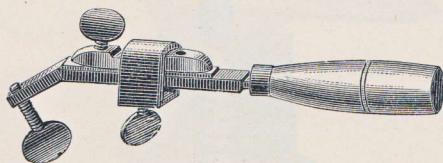


NEW LANGDON IMPROVED.

The New Langdon Improved has the additional feature of easy adjustment to any possible angle desired (by using the circular arms or guides), from right angles to 73 degrees, and is adjustable for mitering circular work in patterns, emery wheels and segments of various kinds.

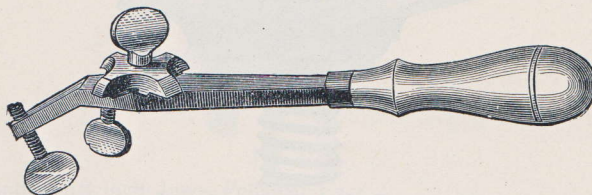
No. 1.	Without Saw, capacity at right angles, 6 inches in width, at Mitre,	.....	Each, \$ 8.25
	4 inches in width	.....	" 10.50
No. 1.	With Disston's No. 4, 24 inch Saw, same capacity as above.	.....	" 10.50

SAW SETS.



Common Lever.

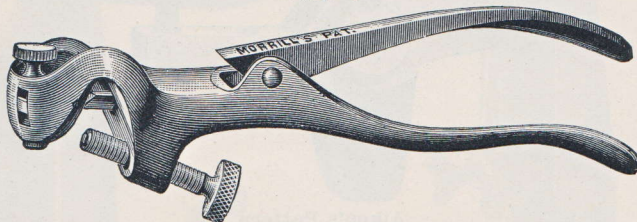
No. 30. Lever, Common, Wood Handle Per doz., \$2.40



Stillman's Pattern.

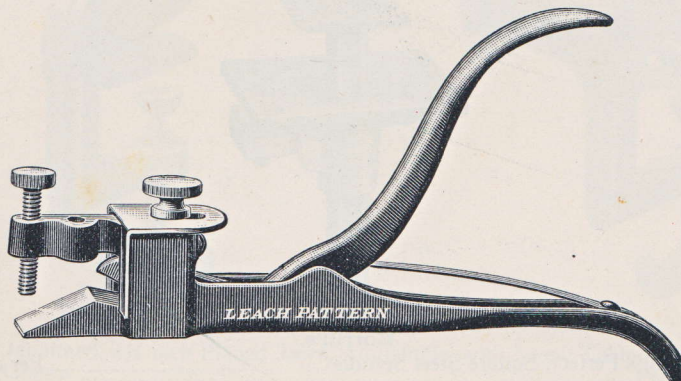
No. 40. Stillman's Pattern, Best Cast Steel, Wood Handle Per doz., \$2.80
 " 45. " " for Cross Cut Saws, Best Cast Steel, Wood
 Handle " 5.50

No. 1



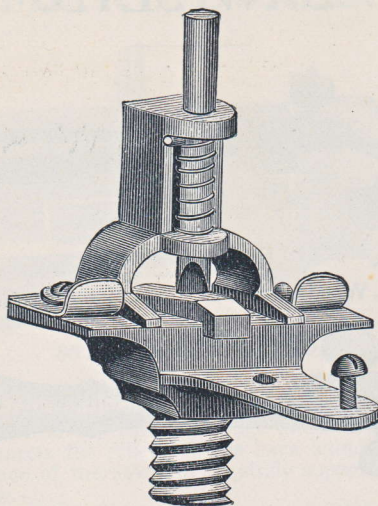
Morrill's Pattern.

No. 1. Morrill's Improved, for all ordinary Saws Per doz., \$15.00
 " 4. " " for Cross Cut and small Circular Saws " 24.00



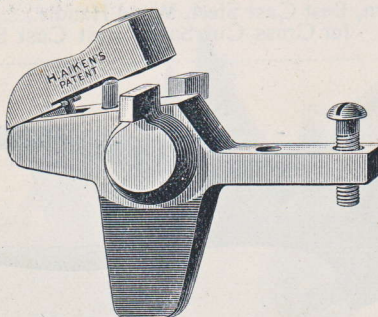
Leach's Patent.

No. 0. Leach's Patent, for all ordinary Saws Per doz., \$13.50

HAMMER SAW SETS.

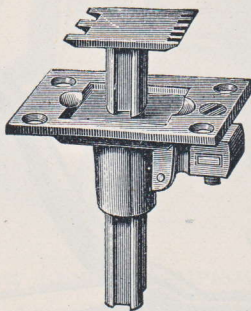
Smith's Pattern.

No. 15. Smith's Pattern, Hammer Saw Sets Per doz., \$10.00



Aiken's Pattern.

No. 5. Aiken's Pattern, Cast Steel Per doz., \$8.50

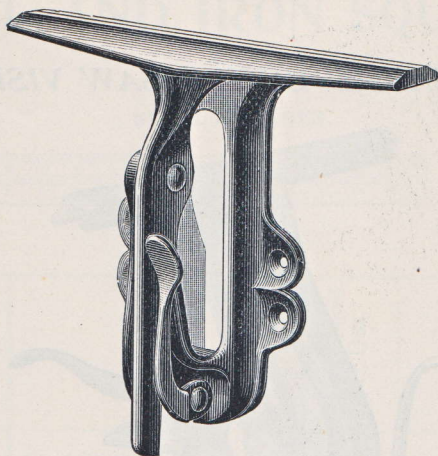
BENCH HOOKS.

Morrill's.

No. 1. Morrill's Perfect, Square Steel Spindle Per doz., \$9.00

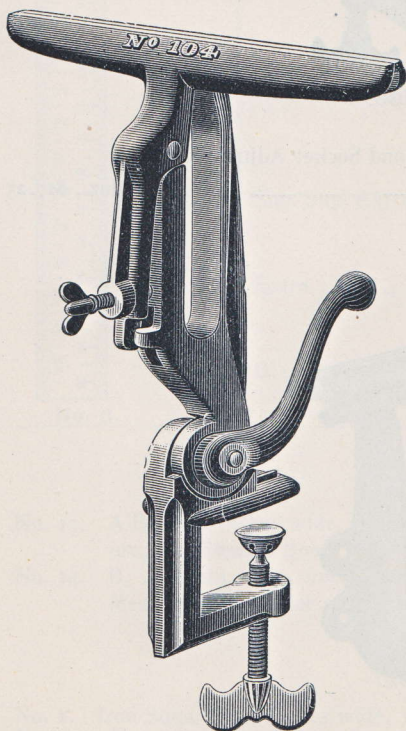
Smith's Pattern.

Smith's Pattern, Adjusting Screw Per doz., \$6.00

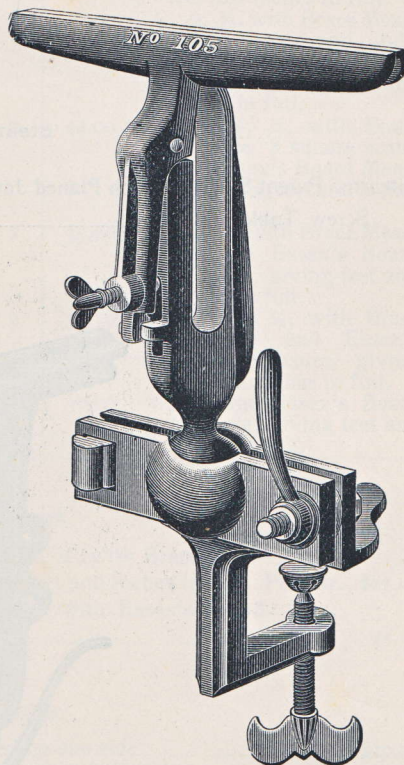
SARGENT'S SAW VISES.

No. 100.

No. 100. Japanned, 9½ inch Jaws, Polished Face.....Per doz., \$7.50

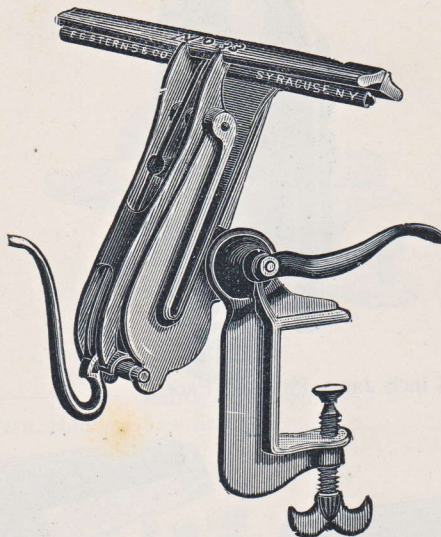


No. 104.



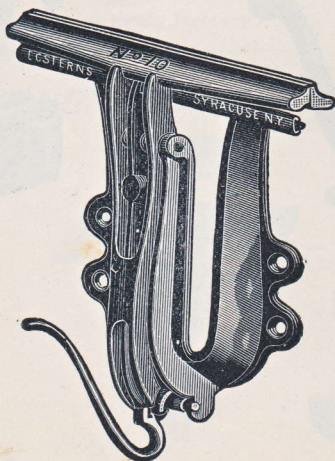
No. 105.

No. 104. Japanned, 9½ inch Planed Jaws, Adjustable, with Screw Table Clamp.....Per doz., \$ 9.75
 No. 105. Japanned, 9½-inch Planed Jaws, Ball and Socket Adjustment, Screw Table Clamp.....“ 12.75

STEARNS' SILENT SAW VISES.

Stearns' No. 33.

Stearns' Patent Silent, 10-inch Planed Jaws, Ball and Socket Adjustment,
Screw Table Clamp..... Per doz., \$17.25

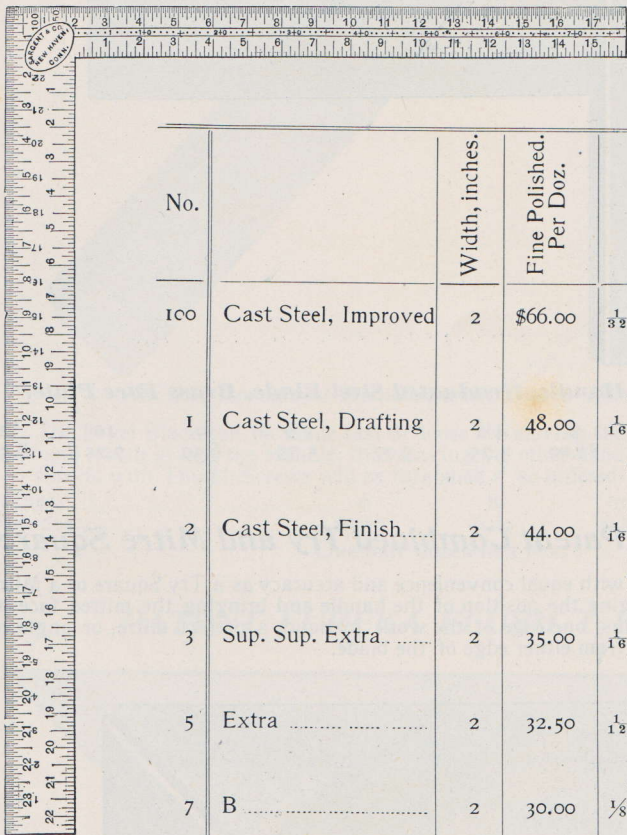


Stearns' No. 10.

Stearns' Patent Silent, with 10-inch Planed Jaws, Rubber Cushioned..... Per doz., \$15.75

STEEL AND IRON SQUARES.

STEEL SQUARES.



No. 3.

No.		Width, inches.	Fine Polished. Per Doz.	
100	Cast Steel, Improved	2	\$66.00	$\frac{1}{2}$, $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{10}$, $\frac{1}{8}$, with Brace Measure, 8 square and $\frac{1}{100}$ th scale, and Essex's Board Measure, giving feet and inches in full.
1	Cast Steel, Drafting	2	48.00	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, 8 square and $\frac{1}{100}$ th scale, and Essex's Board Measure, giving feet and inches in full.
2	Cast Steel, Finish.....	2	44.00	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, 8 square scale, and Essex's Board Measure, giving feet and inches in full.
3	Sup. Sup. Extra.....	2	35.00	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, and Essex's Board Measure, giving feet and inches in full.
5	Extra	2	32.50	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, with Brace Measure, and Essex's Board Measure, giving feet and inches in full.
7	B	2	30.00	$\frac{1}{8}$, $\frac{1}{4}$, and Essex's Board Measure, giving feet and inches in full.

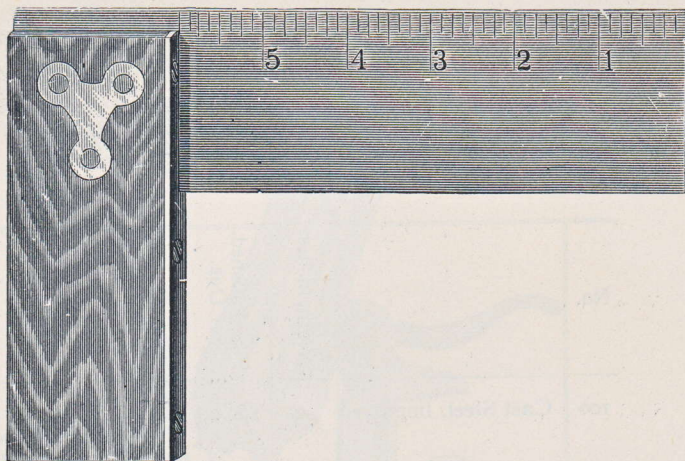
EAGLE SQUARES.

- No. 13. A Brace, 2 inches wide, finely polished, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, and Essex's Board Measure, giving feet and inches in full....Per doz., \$27.00
- No. 14. B, 2 inches wide, finely polished, $\frac{1}{8}$, $\frac{1}{4}$, with Essex's Board Measure, giving feet and inches in full..... " 25.50

IRON SQUARES.

- No. 1. Iron Square, $1\frac{1}{2}$ inches wide, $\frac{1}{8}$, marked on one sidePer doz., \$10.00
- No. 2. " " $1\frac{1}{2}$ " " $\frac{1}{8}$, $\frac{1}{4}$, marked on both sides " 12.00
- No. 4. " " 2 " " $\frac{1}{8}$, $\frac{1}{4}$, " " " " " 16.00

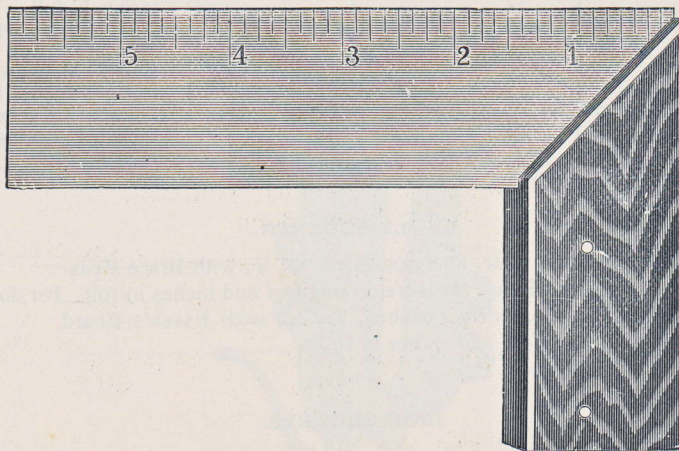
Steel Squares, one-quarter dozen in a box.
Iron Squares, one-half dozen in a box.

TRY SQUARES.**No. 20, Rosewood Handle, Graduated Steel Blade, Brass Face Plate.**

Inches	3	4½	6	7½	9	10	12
Per doz.,	\$3.00	3.75	5.00	5.75	6.50	7.25	8.50

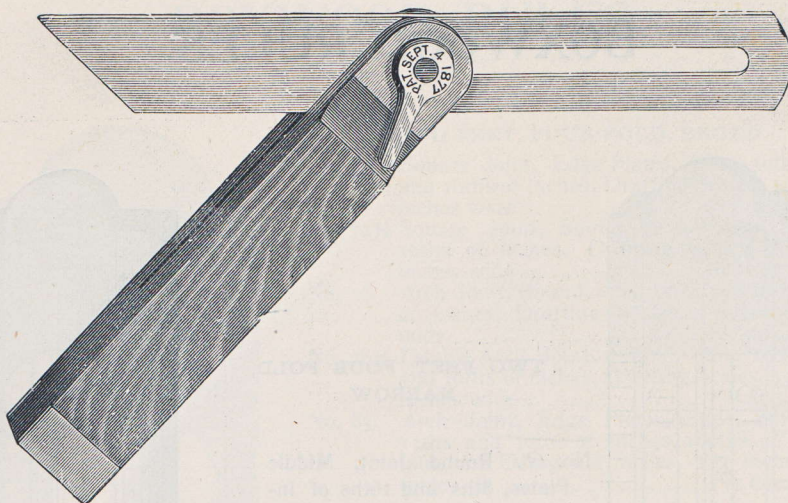
Winterbottom's Patent Combined Try and Mitre Square.

This tool can be used with equal convenience and accuracy as a Try Square or a Mitre Square. By simply changing the position of the handle and bringing the mitred face at the top of the handle against one edge of the work in hand, a perfect mitre, or angle of 45 degrees, can be struck from either edge of the blade.

**No. 2, Rosewood Handle, Graduated Steel Blades, Square Inside and Out.**

Inches	4½	6	7½	9	12
Per doz.,	\$4.50	5.00	6.00	7.00	9.00

One-half dozen in a box.

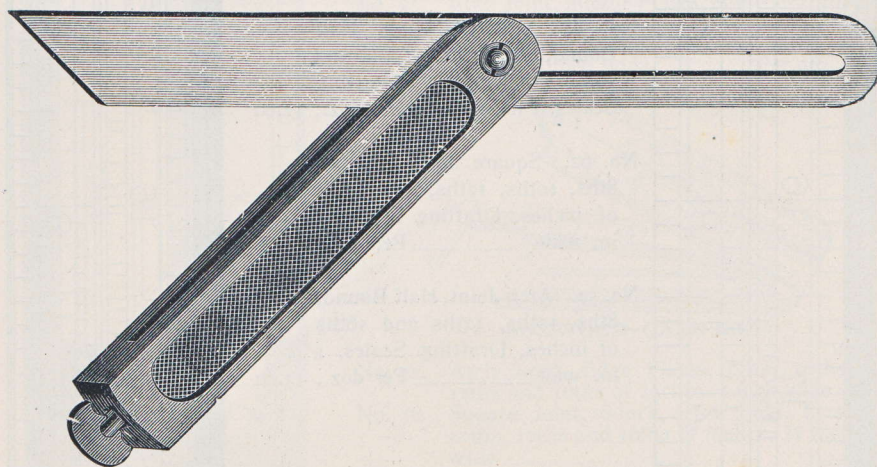
SLIDING T BEVELS.**No. 25, Rosewood Handle, with Brass Lever (Flush).**

The Bevel Blade can be made fast or loose by moving the Lever with the thumb of the hand which grasps the Handle, thus leaving the other hand of the workman free.

Bevels with Thumb Screws will be furnished if so ordered.

Inches.....	6	8	10	12	14
Per doz.,.....	\$5.50	6.00	6.50	7.00	7.50

One-half dozen in a box.

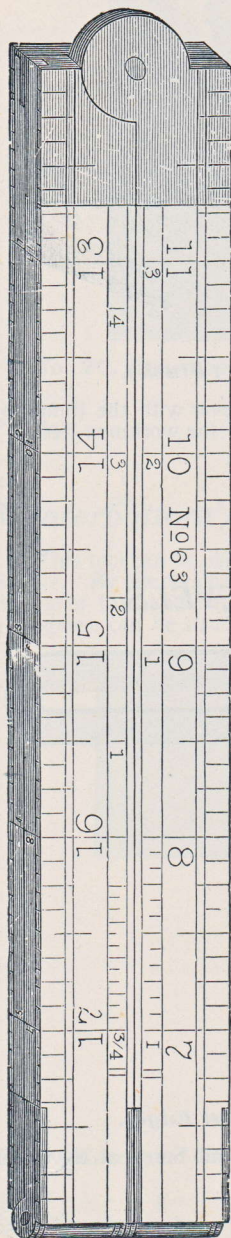
PATENT EUREKA FLUSH T BEVELS.**No. 18, Iron Handle, Steel Blade, with Parallel Edges.**

The Blade is easily secured at any angle by turning the Thumb Screw at the lower end of the Handle.

Inches.....	6	8	10
Per doz.,.....	\$6.00	6.50	7.50

One-half dozen in a box.

BOXWOOD RULES.



No. 63.

TWO FEET, FOUR FOLD, NARROW.

No. 68. Round Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide,..... Per doz., 4.00

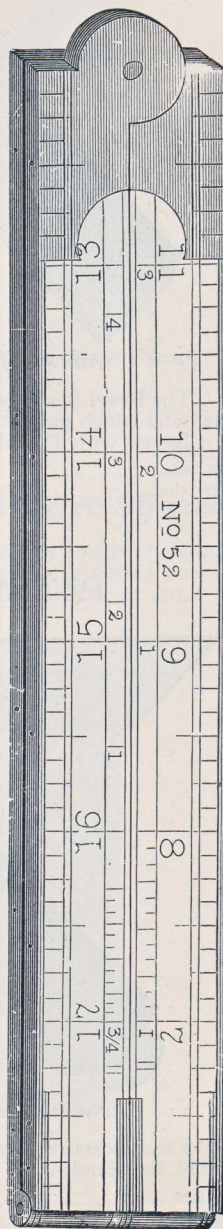
No. 61. Square Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide,..... Per doz., 5.00

No. 63. Square Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide..... Per doz., 7.00

No. 84. Square Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide..... Per doz., 12.00

No. 62. Square Joint, Bound, 8ths, 10ths, 12ths, and 16ths of inches, Drafting Scales, 1 in. wide..... Per doz., 15.00

No. 52. Arch Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide..... Per doz., 13.00

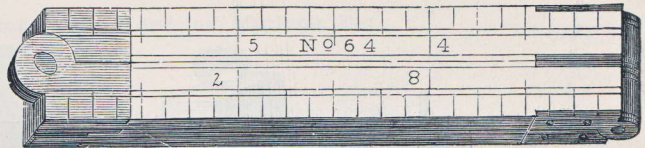


No. 52.

BOXWOOD RULES.

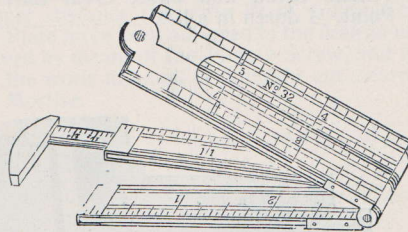
TWO FEET, FOUR FOLD, BROAD.

- No. 72. Square Joint, Edge Plates, 8ths, 10ths and 16ths of inches, Drafting Scales, $1\frac{3}{8}$ inches wide Per doz., \$9.00
- No. 72½ Square Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, $1\frac{3}{8}$ inches wide Per doz., 18.00
- No. 76. Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, $1\frac{3}{8}$ inches wide Per doz., 20.00
- No. 78½ Double Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, $1\frac{3}{8}$ inches wide Per doz., 24.00
- No. 83. Arch Joint, Edge Plates, Slide, 8ths, 12ths and 16ths of inches, 100ths of a foot, and Octagonal Scales, $1\frac{3}{8}$ inches wide Per doz., 14.00



ONE FOOT, FOUR FOLD, NARROW.

- No. 69. Round Joint, Middle Plates, 8ths and 16ths of inches, $\frac{5}{8}$ inch wide... Per doz., \$3.00
- No. 65. Square Joint, Middle Plates, 8ths and 16ths of inches, $\frac{5}{8}$ inch wide... Per doz., 3.50
- No. 55. Arch Joint, Middle Plates, 8ths and 16ths of inches, $\frac{5}{8}$ inch wide Per doz., 4.00
- No. 57. Arch Joint, Bound, 8ths and 16ths of inches, $\frac{5}{8}$ inch wide Per doz., 12.00

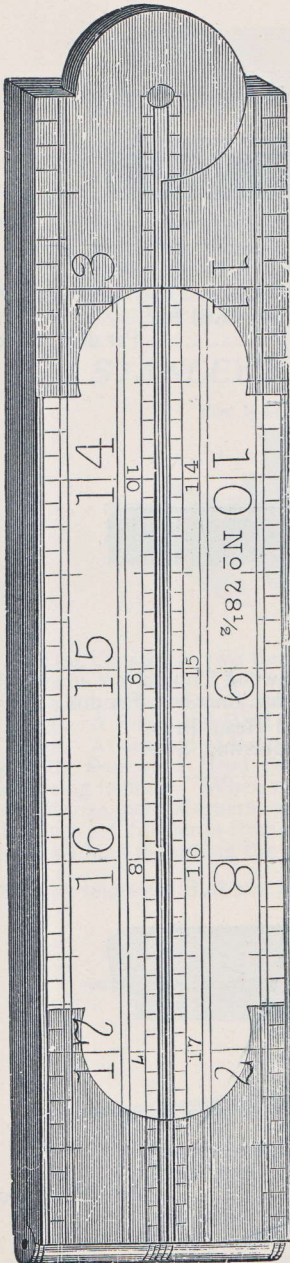


BOXWOOD CALIPER.

- No. 32. Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 1 inch wide Per Doz. 12.00
- No. 36. Square Joint, 6-inch, Two Fold, 8ths, 10ths, 12ths and 16ths of inches, $\frac{7}{8}$ inch wide 7.00

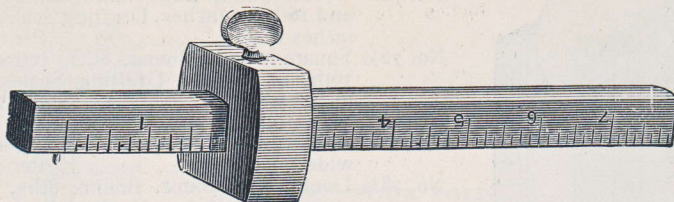
IVORY CALIPER, ONE FOOT, FOUR FOLD.

- No. 39. Square Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, $\frac{7}{8}$ inch wide 38.00
- No. 40. Square Joint, German Silver, Bound, 8ths and 16ths of inches, $\frac{5}{8}$ inch wide... 44.00



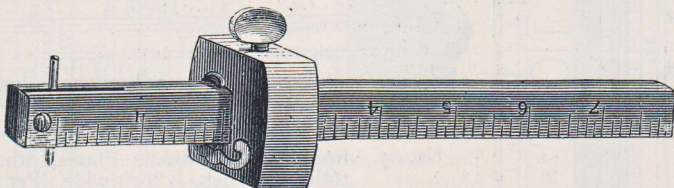
No. 78½.

MARKING GAUGES.



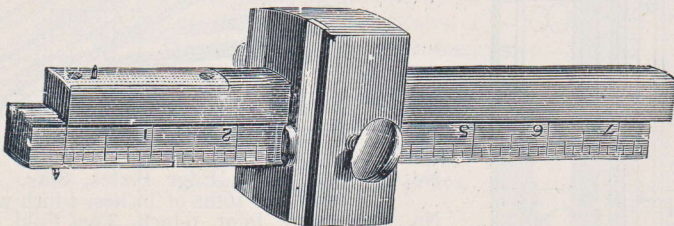
No. 61.

- No. 61. Marking Gauge, Beechwood, Boxwood Thumb Screw, Oval Bar, Marked, Steel Point, 1 dozen in a box Per doz., \$1.00



No. 65.

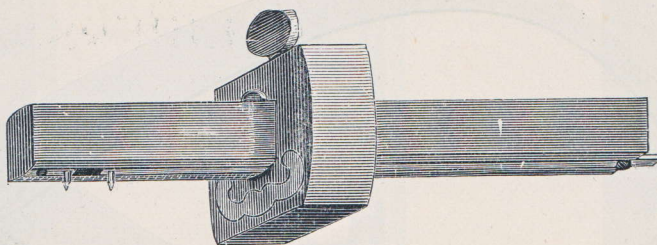
- No. 64. Patent Marking Gauge, Polished, Plated Head, Boxwood Thumb Screw, Oval Bar, Marked, Adjusting Steel Point, 1 doz., in a box, Per doz., \$2.75
 " 65. Patent Marking Gauge, Boxwood, Polished, Plated Head, Brass Thumb Screw and Shoe, Oval Bar, Marked, Adjusting Steel Point, 1/2 dozen in a box " 5.00



No. 72.

- No. 72. Patent Double Gauge (Marking and Mortise Gauge combined), Beechwood, Polished, Boxwood Thumb Screws, Oval Bars, Marked, Steel Points, 1/2 dozen in a box Per doz., \$4.00
 " 74. Patent Double Gauge (Marking and Mortise Gauge combined), Boxwood, Polished, Full Plated Head and Bars, Brass Thumb Screws and Shoes, Oval Bars, Marked, Steel Points, 1/2 dozen in a box " 14.00

MARKING GAUGES.

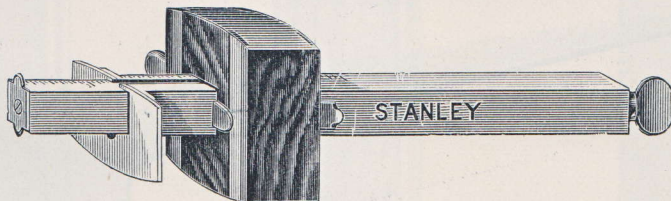


No. 76.

- No. 76. Patent Mortise Gauge, Boxwood, Polished, Plated Head, Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, $\frac{1}{2}$ dozen in a box Per doz., \$11.00
- No. 67. Mortise Gauge, Adjustable Wood Slide, Boxwood Thumb Screw, Oval Bar, Marked, Steel Points, $\frac{1}{2}$ dozen in a box Per doz., 4.00

STANLEY'S BUTT AND RABBET GAUGE.

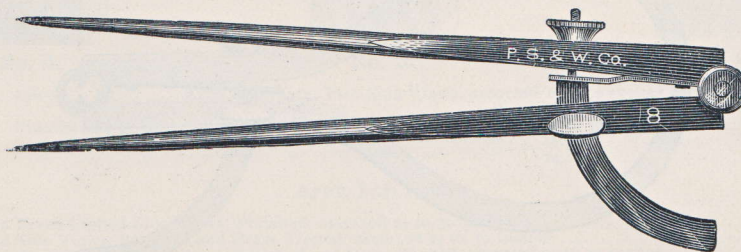
For Hanging Doors, Mortising, Marking, Etc.



This Gauge has two Bars, both of Brass, one movable within the other; also three Blades or Markers. The two Steel Blades or Markers at the extreme end of the inner Bar can be moved to any position by means of the Thumb Screw at the opposite end of the Gauge. A Rosewood Head on the outer Bar makes the ordinary Marking or Slitting Gauge. At one end of the outer Bar a Steel Plate or Stop is attached, and in connection with the Rosewood Head set at the proper distance from the Plate, a double Head for Mortising is made. When the Head and Plate have been adjusted to the desired width for the Mortise, both Markers can still be moved by means of the Thumb Screw, and the Mortise lines set further in from the edge of the work in hand, or brought out nearer to the edge, without disturbing the width of the Mortise.

No. 92—Improved Butt and Rabbet Gauge Each, \$1.25

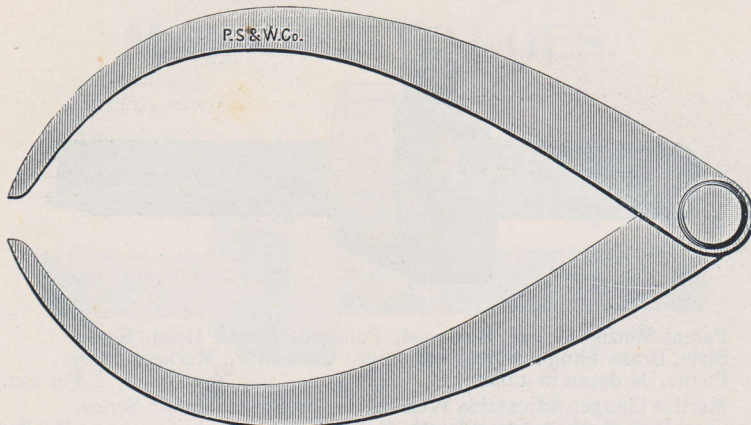
DIVIDERS.



Wing Dividers, Cast Steel, Polished.

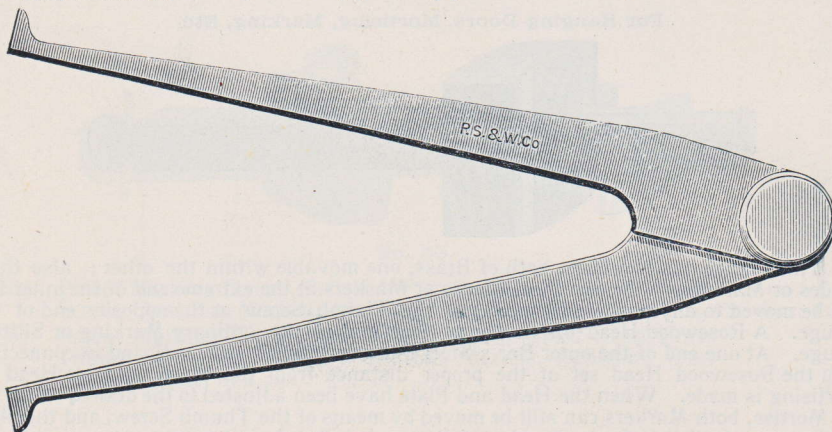
Inches.....	6	7	8	9	10	12	15
Per Dozen	\$5.50	6.50	7.50	9.00	10.00	12.00	18.00

CALIPERS.



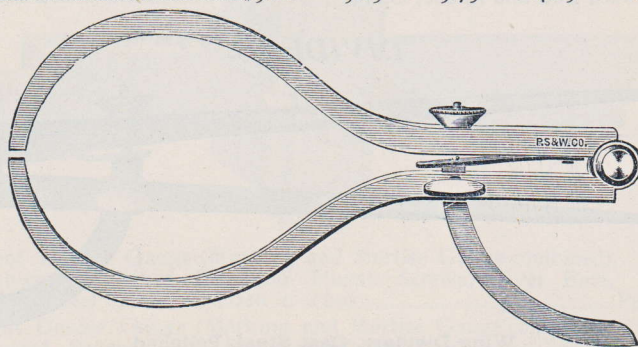
No. 110, Outside Calipers, Cast Steel, Polished.

Inches.....	2½	3	4	5	6	8	10	12
Per doz.,	\$4.00	4.00	4.50	5.50	6.00	7.00	8.50	10.00



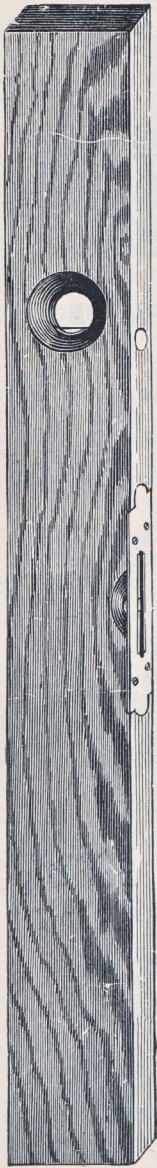
No. 105, Inside Calipers, Cast Steel, Polished.

Inches.....	3	4	5	6	8	10
Per doz.,	\$3.00	3.25	3.75	4.25	6.50	8.00

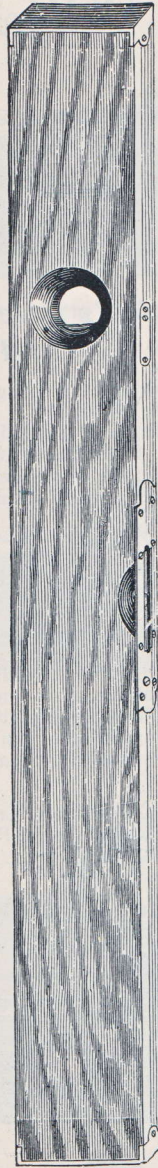


No. 101, Wing Calipers, Cast Steel, Polished.

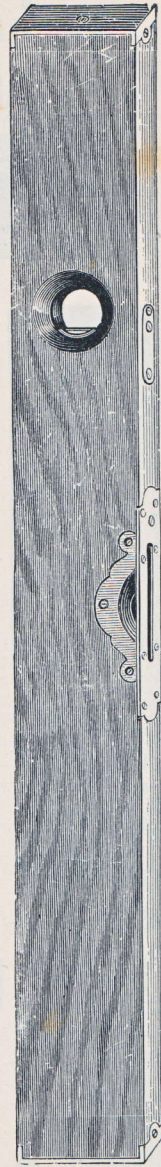
Inches.....	4	5	6	7	8	10	12
Per doz.,	\$5.00	6.00	7.00	8.00	9.00	11.00	13.00

STANLEY'S PLUMBS AND LEVELS.

No. 0.



No. 3.



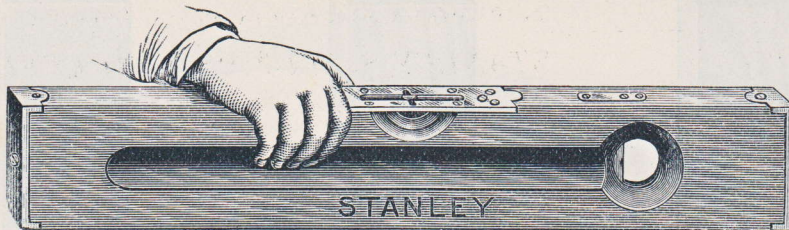
Nos. 4 and 9.

No 102.	Levels,	Arch Top Plate, Two Side Views, assorted 10 to 16 inches.....	Per doz., \$ 9.00
" 103.	"	" " " " " " 18 to 24 " " " "	12.00
" 104.	Plumbs and Levels,	" " " " " " 12 to 18 " " " "	14.00
" 00.	"	" " " " " " 18 to 24 " " " "	16.00
" 0.	"	" " " " " " 24 to 30 " " " "	18.00

Arch Top Plate.

No.		Per doz.
2.	Two Brass Lipped Side Views, Polished, assorted 24 to 30 inches	\$27 00
3.	Two Side Views, Polished and Brass Tipped, assorted 24 to 30 inches.....	30.00
4.	Two Brass Lipped Side Views, Polished and Brass Tipped, assorted 24 to 30 inches.....	39 00
5.	Triple Stock, 2 Ornamental Brass Lipped Side Views, Polished and Tipped, assorted 24 to 30 in.,	48 00
6.	Mahogany, Two Brass Lipped Side Views, Polished, assorted 24 to 30 inches.....	33.00
9.	Mahogany, 2 Ornamental Brass Lipped Side Views, Polished and Tipped, assorted 24 to 30 in.....	48.00
10.	Triple Mahogany Stock, 2 Ornamental Brass Lipped Side Views, Polished and Tipped, assorted 24 to 30 inches.....	60.00

PLUMBS AND LEVELS.



Stanley's Patent Hand-y Plumbs and Levels.

The shallow grooves along the two sides of these Levels afford an excellent grip on the tool. In climbing ladders, walking on stagings or on the frame of a building, the peculiar form of the Level imparts a feeling of steadiness to the workman who carries it. For ascertaining a plumb, it can be brought to a perpendicular position with remarkable ease and accuracy.

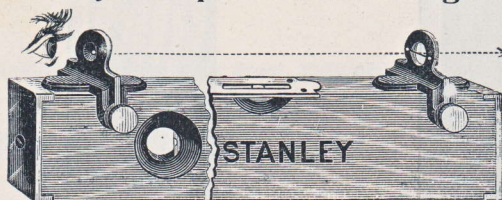
- No. 16. Hand-y Plumb and Level, Adjustable, Cherry, Arch Top Plate, Two Side Views, Polished and Tipped, Assorted 24 to 30 inch..... Per doz., \$36.00

Stanley's Patent Duplex Levels.

These Levels have the ordinary form of Leveling Glass, set in the top surface of the Stock, and an additional Leveling Glass is set in the side, at the opposite end from the Plumb. Both Glasses are protected by Brass Discs; can be seen from either side, and are inserted in the Level with the least possible removal of Wood from the Stock.

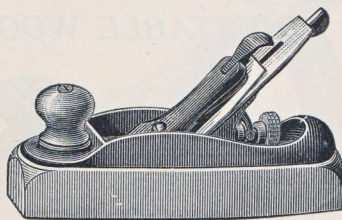
- No. 30. Duplex Plumb and Level, Cherry, Arch Top Plate, Duplex Side Views, Polished, Tipped, Assorted 24 to 30 inch..... Per doz., \$44.00

Stanley's Improved Level Sights.

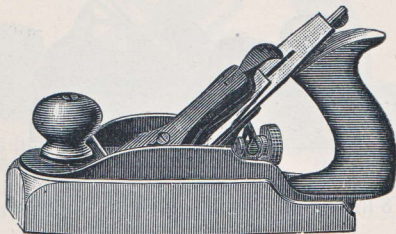


By the use of these ingenious devices, which can be attached to any Level, the owner has a convenient and accurate means for leveling from one given point to another at a long distance away.

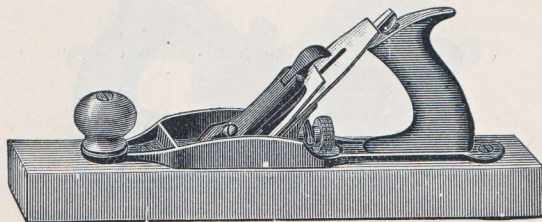
- No. 1. Improved Level Sights, per pair, in a box..... \$7.75

BAILEY'S ADJUSTABLE WOOD PLANES.

No. 21.	Smooth Plane,	7	inches in Length,	1 3/4	inch Cutter	.....	Each, \$2.00
" 22.	"	8	"	"	1 3/4	"	" 2.00
" 23.	"	9	"	"	1 3/4	"	" 2.00
" 24.	"	8	"	"	2	"	" 2.00
" 25.	Block	9 1/2	"	"	1 3/4	"	" 2.00



No. 35.	Handle Smooth,	9	inches in Length,	2	inch Cutter	.....	Each, \$2.50
" 36.	"	10	"	"	2 3/8	"	" 2.75
" 37.	Jenny	13	"	"	2 3/8	"	" 3.00



No. 26.	Jack	Plane,	15	inches in Length,	2	inch Cutter	.....	Each, \$2.25
" 27.	"	"	15	"	"	2 1/8	"	" 2.50
" 28.	Fore	"	18	"	"	2 3/8	"	" 2.75
" 29.	"	"	20	"	"	2 3/8	"	" 2.75
" 30.	Jointer	"	22	"	"	2 3/8	"	" 3.00
" 31.	"	"	24	"	"	2 3/8	"	" 3.00
" 32.	"	"	26	"	"	2 5/8	"	" 3.25
" 33.	"	"	28	"	"	2 5/8	"	" 3.25
" 34.	"	"	30	"	"	2 5/8	"	" 3.50

BAILEY'S PLANE IRONS.

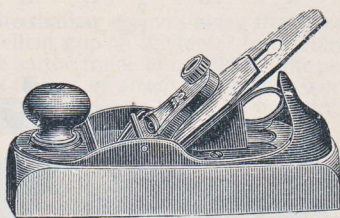
Inches	1 1/4	1 5/8	1 3/4	2	2 1/8	2 3/8	2 5/8
Single Irons, Each.....\$	.20	.25	.28	.30	.33	.37	.40
Double Irons, " .....	.40	.45	.50	.55	.60	.65	.70

Orders for Plane Irons should designate the Number of the Planes for which they are wanted.

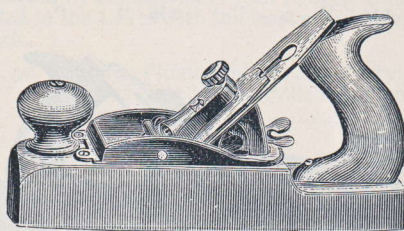
STANLEY'S ADJUSTABLE WOOD PLANES.

THESE PLANES ARE ADJUSTED BY A LEVER.

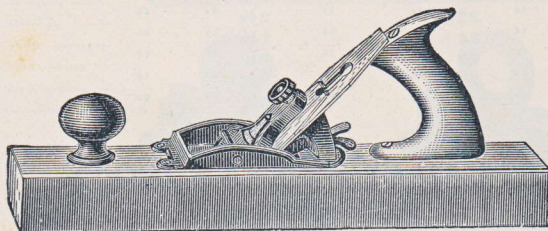
Especially adapted for working on
Soft Wood.



No. 122. Smooth Plane, 8 inches in Length, $1\frac{1}{4}$ inch Cutter..... Each, \$1.50



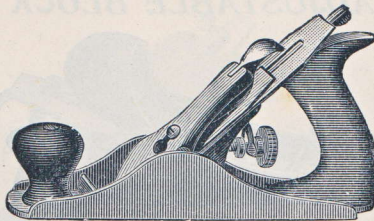
No. 135. Handle Smooth, 10 inches in Length, $2\frac{1}{8}$ inch Cutter..... Each, \$2.00



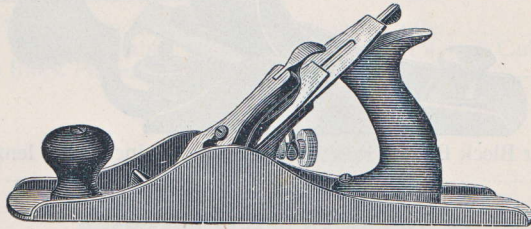
No. 127.	Jack	Plane, 15 inches in Length, $2\frac{1}{8}$ inch Cutter.....	Each, \$2.00
" 129.	Fore	" 20 " " $2\frac{3}{8}$ " "	" 2.25
" 132.	Jointer	" 26 " " $2\frac{5}{8}$ " "	" 2.50

BAILEY'S PATENT ADJUSTABLE PLANES.

IRON PLANES.

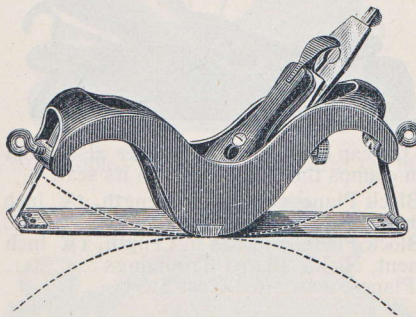


No. 1.	Smooth Plane,	5½ inches in Length,	1¼ inch Cutter	.....	Each, 2.25
" 2.	"	7 "	1⅝ "	.....	" 2.75
" 3.	"	8 "	1¾ "	.....	" 3.00
" 4.	"	9 "	2 "	.....	" 3.25



No. 5.	Jack Plane,	14 inches in Length,	2 inch Cutter	.....	Each, \$3.75
" 6.	Fore	18 "	2⅜ "	.....	" 4.75
" 7.	Jointer	22 "	2⅝ "	.....	" 5.50
" 8.	"	24 "	2⅞ "	.....	" 6.50

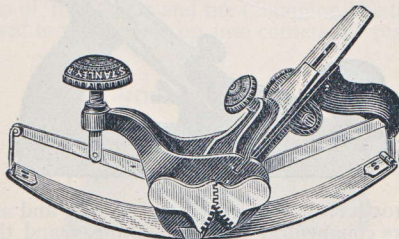
BAILEY'S ADJUSTABLE CIRCULAR PLANE.



No. 13.	Circular Plane,	1¾ inch Cutter	Each, \$4.00
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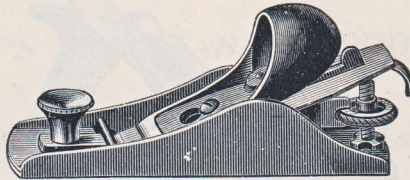
This Plane has a Flexible Steel Face, and by means of the Thumb Screws at each end of the Stock, can be easily adapted to plane circular work—either concave or convex.

STANLEY ADJUSTABLE CIRCULAR PLANE.

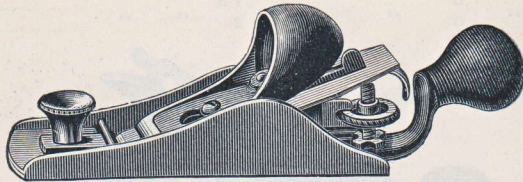


No. 113.	Adjustable Circular Plane,	1¾ inch Cutter	Each, \$4.00
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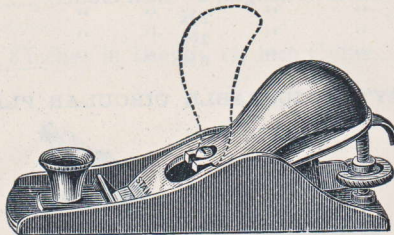
This Plane has a Flexible Steel Face, which can be easily shaped to any required arc, either concave or convex, by turning the Knob on the front of the Plane.

BAILEY'S ADJUSTABLE BLOCK PLANES.

- No. 9½. Excelsior Block Plane, 6 inches in Length, 1¾ inch Cutter Each, \$1.50
 “ 15. “ “ “ 7 “ “ 1¾ “ “ “ 1.60

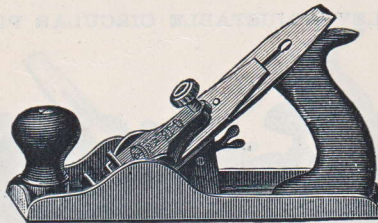


- No. 9¾. Excelsior Block Plane, Rosewood Handle, 6 inches in length, 1¾ inch Cutter Each, \$1.75

IMPROVED BLOCK PLANES.

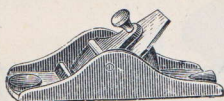
The knuckle-joint in the cap constitutes it a lever also; and the single movement of putting the cap in position clamps the cutter firmly in its seat.

- No. 18. Knuckle-Joint Block Plane, 6 inches in Length, 1¾ inch Cutter, Stanley's Lateral Adjustment, Nickel Plated Trimmings Each, \$1.75
 No. 19. Knuckle-Joint Block Plane, 7 inches in Length, 1¾ inch Cutter, Stanley's Lateral Adjustment, Nickel Plated Trimmings Each, 1.85
 Cutters for above Block Planes, warranted Cast Steel Per doz., 2.40

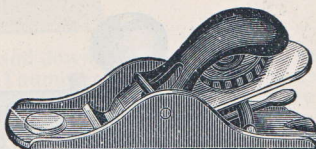
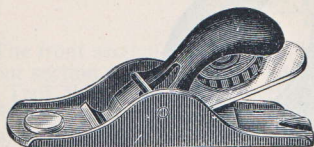
Stanley's Adjustable Steel Planes.

Planes Nos. 104 and 105 have a Wrought Steel Stock, and are adjusted by the use of a Lever. These Planes are commended for their lightness and the ease with which they can be worked.

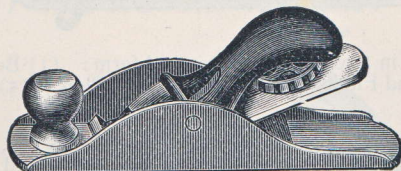
- No. 104. Smooth Plane, 9 inches in Length, 2½ inch Cutter Each, \$2.75
 No. 105. Jack “ 14 “ “ 2½ “ “ “ 3.50

STANLEY'S IRON BLOCK PLANES.

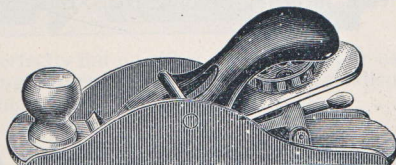
- No. 101. Block Plane, $3\frac{1}{2}$ inches in Length, 1 inch Cutter.....Each, \$.20
 Cutters for above Block Plane, warranted Cast SteelPer doz., .75



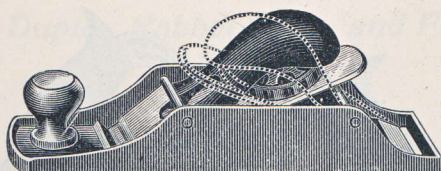
- No. 102. Block Plane, $5\frac{1}{2}$ inches in Length, $1\frac{1}{4}$ inch Cutter.....Each, \$.40
 " 103. " " Adjustable, $5\frac{1}{2}$ inches in Length, $1\frac{1}{4}$ inch Cutter....." .60
 Cutters for above Block Planes, warranted Cast SteelPer doz., 1.50



- No. 110. Block Plane, $7\frac{1}{2}$ inches in Length, $1\frac{1}{4}$ inch Cutter.....Each, \$.60

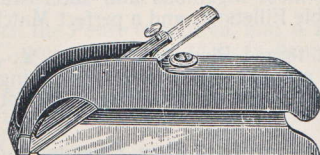


- No. 120. Block Plane, Adjustable, $7\frac{1}{2}$ inches in Length, $1\frac{1}{4}$ inch Cutter.....Each, \$.85



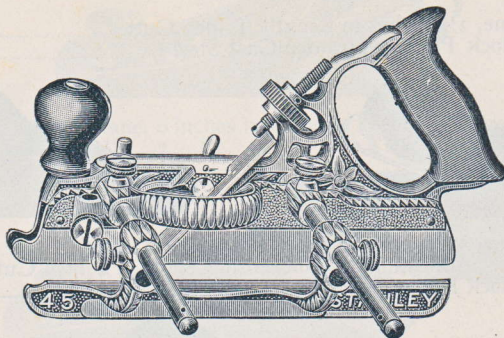
- No. 130. Block Plane (Double-Ender), 8 inches in Length, $1\frac{1}{4}$ inch Cutter...Each, \$.80

This Plane has two Slots and two Cutter Seats. It can be used as a Block Plane, or, by reversing the position of the Cutter and the Clamping Wedge (see dotted lines in the engraving), it can be used to plane close up into corners, or places difficult to reach with any other plane.

BULL-NOSE RABBET PLANE.

- No. 75. Iron Stock, 4 inches in Length, 1 inch Cutter.....Each, \$.50

Patent Adjustable Beading, Rabbet and Slitting Plane.

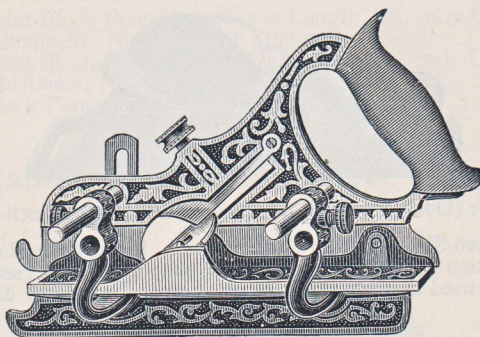


This Plane embraces in a compact and practical form: (1) Beading and Center Beading Plane; (2) Rabbet and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; (6) a superior Slitting Plane.

Each Plane is accompanied by seven Beading Tools ($\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ inch), nine Plow and Dado Bits ($\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch), a Slitting Tool and a Tonguing Tool.

No. 45. Iron Stock and Fence, including Beading Tools, Bits, Slitting Tool, etc.....\$8.00

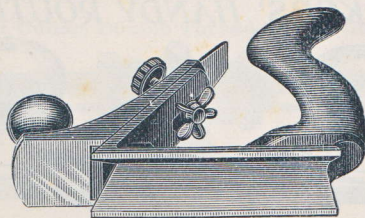
Miller's Patent Combined Plow, Filletster and Matching Machine.



This Tool embraces, in a most ingenious and successful combination, the common Carpenters' Plow, an adjustable Filletster, and a perfect Matching Plane.

With each Tool eight forged Plow Bits ($\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ and $\frac{5}{8}$ inch), a Filletster and a Slitting Blade are furnished; also a Tonguing Tool ($\frac{1}{4}$ inch), and by use of the latter, with the $\frac{1}{4}$ inch Plow Bit for grooving, a perfect Matching Plane is made.

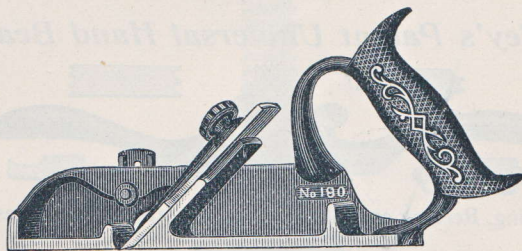
No. 41. Iron Stock and Fence, Combined Plow, Filletster and Matching Plane.....\$9.00
 " 43. " " " " " " and Matching Plane, without Fil-
 letster 7.00

PATENT ADJUSTABLE CHAMFER PLANE.

The front section of this Plane is movable up and down. It can be firmly secured to the rear section at any desired point by means of a Thumb Screw. Without the use of any other Tool, this Plane will do perfect chamfer or stop-chamfer work of all ordinary widths.

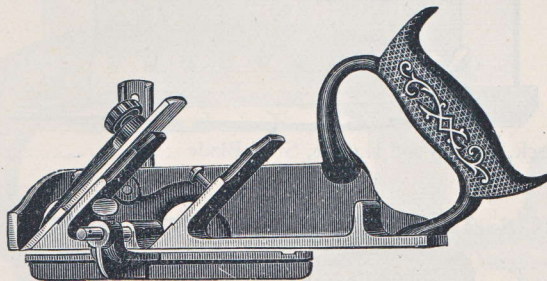
For Beading, Reeding or Moulding a chamfer, an additional section to this Plane is furnished (Price \$1.00) with six Cutters, sharpened at both ends, including a large variety of ornamental forms.

No. 72. Chamfer Plane, 9 inches in length, $1\frac{5}{8}$ inch Cutter Each, \$2.00
 " 72½. " " with Beading and Moulding Attachment " 3.00

PATENT IMPROVED RABBET PLANE.

This Plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

No. 180. Iron Stock, 8 inches in Length, $1\frac{1}{2}$ inch Wide Each, \$1.00
 " 181. " " 8 " " $1\frac{1}{4}$ " " " " 1.00
 " 182. " " 8 " " 1 " " " " 1.00
 " 190. " " 8 " " $1\frac{1}{2}$ " " with Spur " 1.15
 " 191. " " 8 " " $1\frac{1}{4}$ " " " " 1.15
 " 192. " " 8 " " 1 " " " " 1.15

Patent Duplex Rabbet Plane and Filletster.

The valuable features of this Plane can be seen by a glance at the illustration given above.

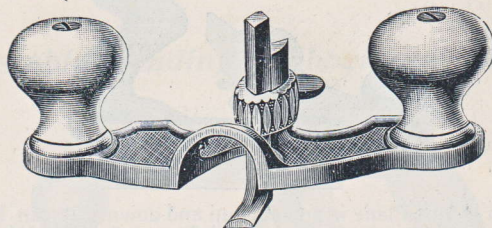
Remove the Arm to which the Fence is secured, and a Handled Rabbet Plane is had; and with two Seats for the Cutter, so that the tool can be used as a Bull-Nose Rabbet if required.

The construction of the Stock is such that the Plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

The Arm to which the Fence is secured can be screwed into either side of the Stock, thus making a superior right or left hand Filletster, with Adjustable Spur and Depth Gauge.

No. 78. Iron Stock and Fence, $8\frac{1}{2}$ inches in Length, $1\frac{1}{2}$ inch Cutter Each, \$1.50

WOODWORKERS' HANDY ROUTER PLANE.

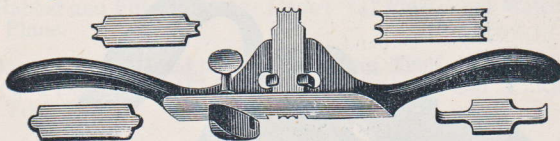


This Tool should be added to the kit of every skilled carpenter, cabinet maker, stair builder, pattern maker or wheelwright. It is perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any woodwork.

The Bits can also be clamped to the back side of the upright Post, and outside of the Stock. In this position they will plane into corners, will router out mortises for Sash-frame Pulleys, or will smooth surfaces not easily reached with any other tool.

No. 71. Iron Stock, with Steel Bits ($\frac{1}{4}$ and $\frac{1}{2}$ inch)..... Each, \$1.50

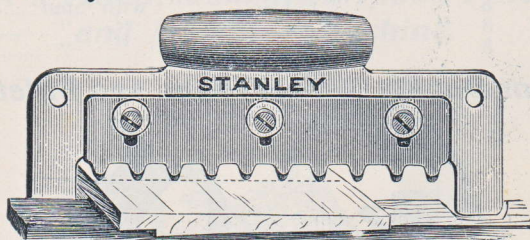
Stanley's Patent Universal Hand Bearer.



For Beading, Reeding or Fluting Straight or Irregular Surfaces and for all kinds of Light Routing.

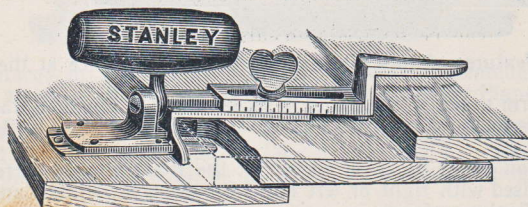
No. 66. Iron Stock, with seven Steel Cutters..... Each, \$1.00
Extra Cutters or Blanks for same..... ".05

Stanley's Adjustable Clapboard Siding Marker.



No. 88. Metal Stock, with Wood Handle, Steel Blade..... Each, \$.50

Stanley's Adjustable Clapboard Siding Gauge.

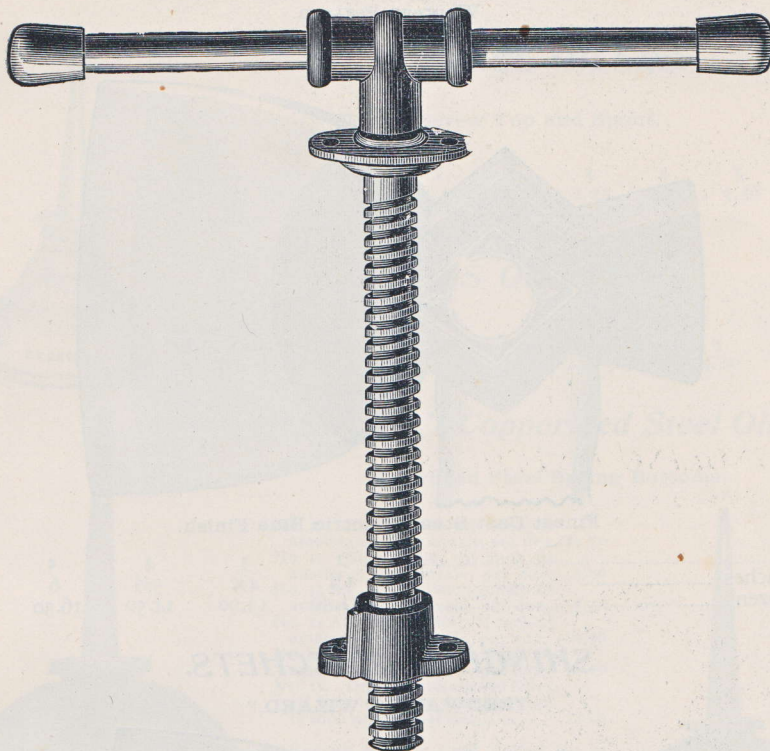


A full set of 3 Gauges is recommended for laying long Clapboards or Siding.

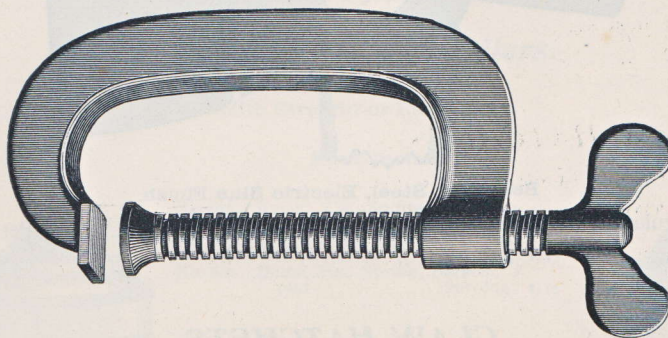
No. 89. Metal Stock, with Wood Handle, Steel Blades..... Each, \$.50

WROUGHT IRON BENCH SCREWS.

Patent Collar, Double Thread, Wood Handle.



1	inch, Length under Collar 15 inches	.....	Per doz., \$ 6.00
1 1/8	" " " " 15 "	.....	" 7.00
1 1/4	" " " " 15 "	.....	" 8.50
1 1/2	" " " " 16 " Extra Heavy	.....	" 12.50

CARRIAGE CLAMPS.

No. 2500, with Ball and Socket Swivel.

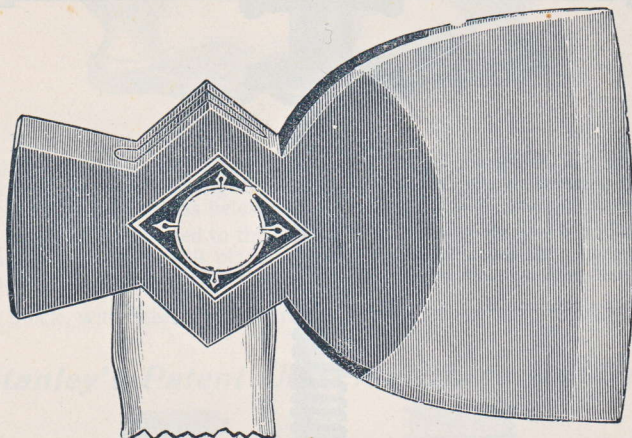
	A	B	C	D	E	F	G	H
Size, in. opening	2 1/2	3	4	5	6	7	8	10
List, per dozen	\$3.00	3.38	4.13	5.10	6.00	7.88	8.25	9.75

All our Clamps are finely Japanned, packed in paper boxes. The Thread is the best machine cut, and they are in every respect a first class strong Clamp.

BROAD HATCHETS.

Western Pattern.

TREDWAY'S "WIZARD."

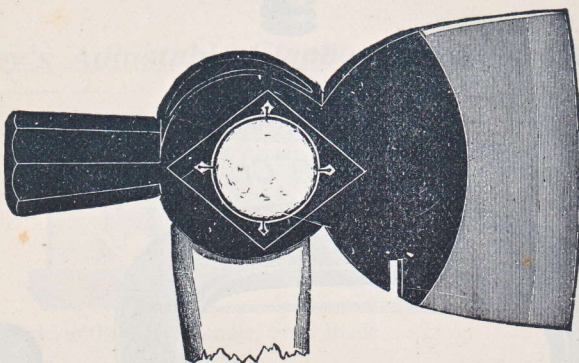


Finest Cast Steel, Electric Blue Finish.

No.	2	3	4	5	6
Cut, inches	4 $\frac{1}{4}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	6 $\frac{3}{4}$
Per Dozen	\$11.50	13.00	14.50	16.50	18.00

SHINGLING HATCHETS.

TREDWAY'S "WIZARD."



Best Cast Steel, Electric Blue Finish.

No. 1. Regular Pattern, Cut 3 $\frac{5}{8}$ inches	Per doz., \$8.00
" 2. " " " 3 $\frac{7}{8}$ "	" 8.50
" 3. " " " 4 $\frac{1}{4}$ "	" 9.00

CLAW HATCHETS.

Best Cast Steel, Electric Blue Finish.

TREDWAY'S "WIZARD."

No. 1. Regular Pattern, Cut 3 $\frac{5}{8}$ inches	Per dozen, \$9.00
" 2. " " " 3 $\frac{7}{8}$ "	" 9.50
" 3. " " " 4 $\frac{1}{4}$ "	" 10.00

OILERS.

SPUN STEEL OILERS.

Patent Screw Top and Spout.

No.	0	1	2	3	4	5	6
List, per doz.	\$1.25	1.50	2.00	2.25	2.75	3.50	4.50

BRASS OILERS.

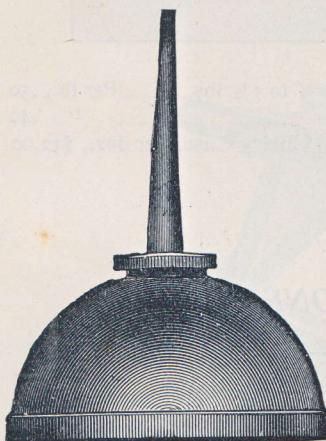
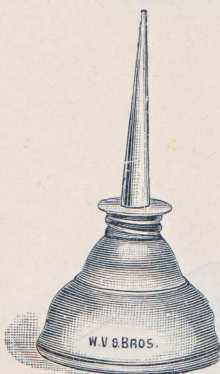
No.	2	3	4
List, per doz.	\$3.50	4.00	4.75

"Swedoh" Copperized Steel Oilers.

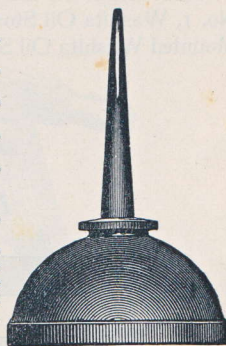
Improved Steel Spring Bottoms.

No. 12. Steel Oiler, 2 $\frac{3}{4}$ inch diameter, 2 $\frac{1}{2}$ inch nozzle, per doz.	\$4.50
No. 13. Steel Oiler, 3 $\frac{3}{8}$ inch diameter, 3 inch nozzle, per doz.,	5.50
No. 14 A. Steel Oiler, 3 $\frac{3}{4}$ inch diameter, 3 inch nozzle, per doz.,	7.50
No. 14 AA. Steel Oiler, 3 $\frac{3}{4}$ inch diameter, 5 inch nozzle, per doz.,	8.00
No. 16. Steel Oiler, 4 $\frac{1}{8}$ inch diameter, 9 inch nozzle, per doz.,	10.50
No. 11. One Quart Railroad Oiler, 4 $\frac{1}{8}$ inch diameter, 6 inches high, 18 inch nozzle, per doz.,	18.00

Smooth Surface Cold Rolled No. 20 Gauge "Swedoh" Steel is used in the manufacture of these Oilers; they are Heavily Copper-Plated inside to prevent rusting and the oil from becoming gritty.



No. 12.



No. 13.

Mowing Machine Oilers.

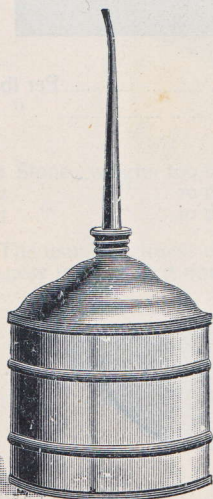
With Straight or Bent Spout.

Four-Inch.

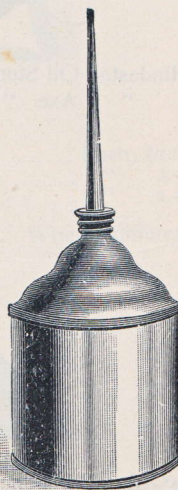
No. 675. Round Tin, Spring Bottom, 1 pint	Per doz., \$1.90
No. 625. Oval Tin, Spring Bottom, 1 pint	Per doz., 2.15
No. 600. Dome Tin, Spring Bottom, 1 pint	Per doz., 2.15

Pieced Round Tin Oilers.

1 Pint. IC Tin	Per doz., \$ 2.50
1 Quart. IX Tin	" 3.00
2 Quarts. IXX Tin	" 5.50



No. 675 Round.



No. 625 Oval.

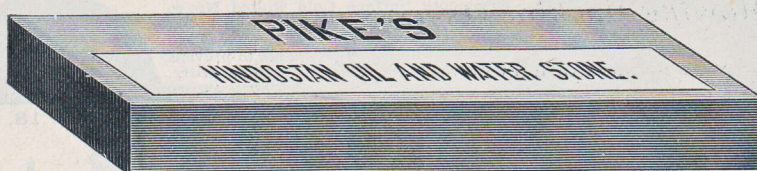
OIL STONES.

WASHITA OIL STONES.



Extra Washita Oil Stone, Green Paper Wrapper, Assorted $\frac{3}{4}$ to $1\frac{1}{2}$ lbs..... Per lb., .50
 No. 1, Washita Oil Stone, Assorted $\frac{3}{4}$ to $1\frac{1}{2}$ lbs " .40
 Mounted Washita Oil Stones, 7x2 inches, extra, in Polished Cherry Case, Per doz., \$12.00

HINDOSTAN OIL STONES.



Hindostan Oil Stone (or Water) Assorted $\frac{3}{4}$ to $1\frac{1}{2}$ lbs Per lb., .15
 " Axe " " $\frac{1}{2}$ to $\frac{3}{4}$ lb " .15

ROUND EDGE SLIPS.

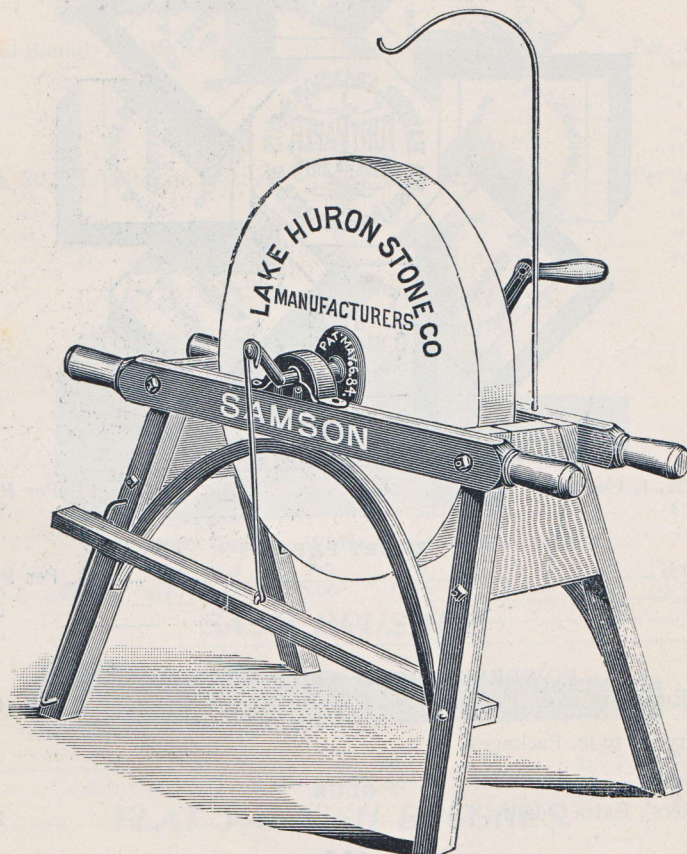


Washita Oil Slips, Extra, Green Paper Wrapper Per lb., .75
 Hindostan Slips—Oil or Water " .25

THE SAMSON MOUNTED GRINDSTONE.

Mounted with Lake Huron Stone,

Specially Selected.



No. 1 Stone, weighs 100 to 110 lbs	Each, \$2.60
" 2 " " 70 to 80 "	" 2.35
" 3 " " 40 to 50 "	" 2.15

The usual thickness of Mounted Stones is from $1\frac{3}{4}$ to $2\frac{1}{4}$ inches. When a different thickness is desired, it must be specified in ordering.

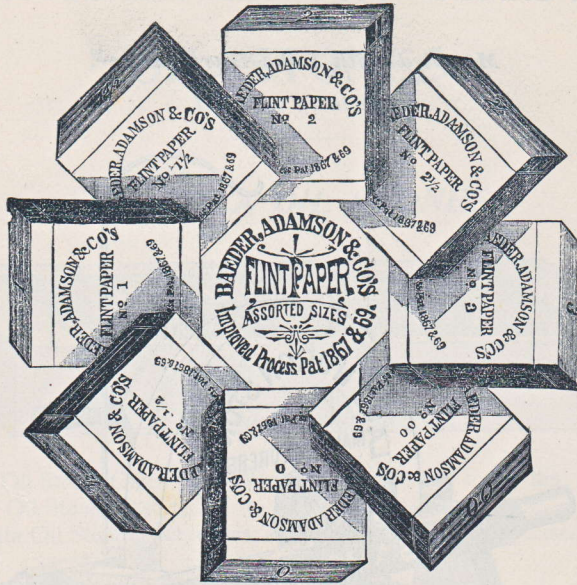
HURON GRINDSTONES.

Loose.

These Stones are of a particular desirable grit for Hand Tools.

30 to 200 lbs., assorted, any desired thickness Per ton, \$15.00

SAND AND EMERY PAPER, ETC.



BEST FLINT SAND PAPER.

No. 00, 0, 1/2, 1, 1 1/2	Per Ream, \$4.75
" 2, 2 1/2, 3	" 5.50

EMERY PAPER.

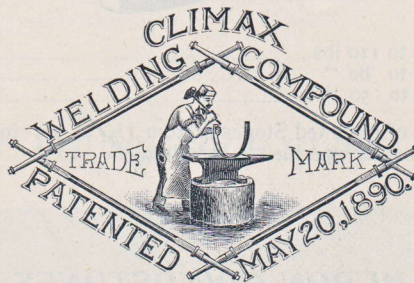
No. 00 to 1 1/2	Per Ream, \$6.50
" 2	" 7.50
" 2 1/2	" 9.50
" 3	" 11.50

POWDERED EMERY AND EMERY FLOUR.

Powdered Emery, in 10 lb. Packages, No. 8 to 46	Per lb., .15
" 54 to 150	" .12
Flour Emery, in 10 lb. Packages	" .12

GLUE.

Woodworkers', Extra Quality, Dark	Per lb., .25
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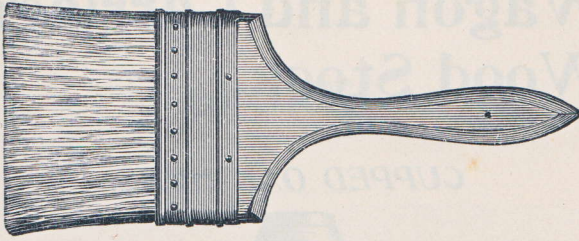
WELDING COMPOUND.

Climax, in 5 lb. Boxes	Per lb., .15
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BORAX.

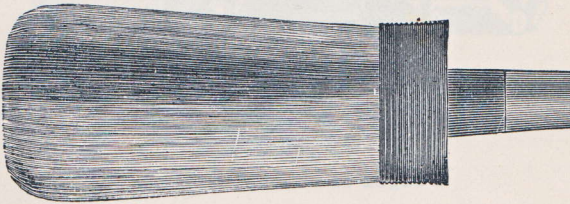
California Refined, Lump	Per lb., .15
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FLAT PAINT OR WALL BRUSHES.



Acme, Metal Bound, All White Bristle, 2½ inch	Per doz., \$	4.00
“ “ “ “ “ “ 3 “	“	5.00
“ “ “ “ “ “ 3½ “	“	6.00
“ “ “ “ “ “ 4 “	“	7.00
“ “ “ “ “ “ 4½ “	“	9.00
“ “ “ “ “ “ 5 “	“	10.50
Extra Long All White Russia Bristle, 3 inch, Very Fine	Per doz., \$	9.50
“ “ “ “ “ “ 3½ “	“	11.00
“ “ “ “ “ “ 4 “	“	14.50
“ “ “ “ “ “ 4½ “	“	18.00
“ “ “ “ “ “ 5 “	“	23.00

ROUND PAINT BRUSHES.



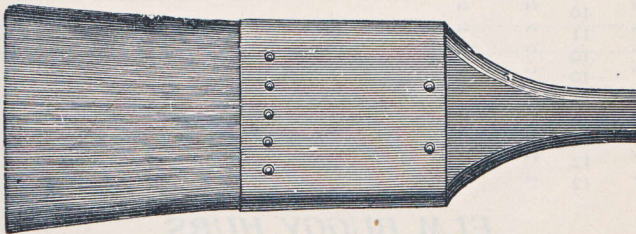
C. M.--Fair Quality, White Outside, Wire Bound.									
No.....	6	4	2	1-0	2-0	3-0	4-0	5-0	6-0
Per doz.,.....	\$2.80	4.30	5.00	6.00	6.50	7.50	8.70	9.50	10.50

SASH BRUSHES.



No.....	1	2	3	4	5	6
Per doz.,.....	\$.80	1.00	1.20	1.50	1.70	1.80

FLAT VARNISH BRUSHES.



Size, inches.....	1	1½	2	2½
Per doz.,.....	\$1.20	1.80	2.40	3.00

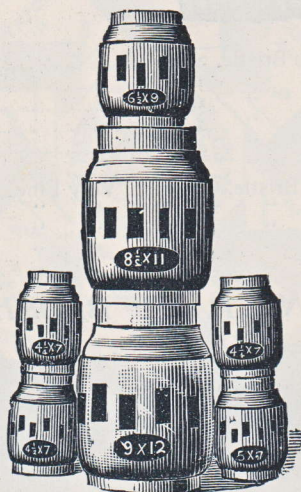
OVAL VARNISH BRUSHES.

QUEEN--All White Bristle, Wire Bound.

No.....	3	1	1-0	2-0	3-0	4-0	5-0
Per doz.,.....	\$.450	6.50	7.50	8.50	9.00	11.00	13.00

Wagon and Carriage Wood Stock.

CUPPED OAK HUBS.



Dodged or Straight Mortise.

5 inches Diameter, 7 inches Length.....					Per Set, \$1.10
5 1/2	"	7	"	"	" 1.10
6	"	7	"	"	" 1.10
6	"	7 1/2	"	"	" 1.10
6	"	8	"	"	" 1.10
6 1/2	"	7 1/2	"	"	" 1.10
6 1/2	"	8	"	"	" 1.20
6 1/2	"	8 1/2	"	"	" 1.20
7	"	8	"	"	" 1.30
7	"	8 1/2	"	"	" 1.30
7	"	9	"	"	" 1.30
7 1/2	"	8	"	"	" 1.40
7 1/2	"	8 1/2	"	"	" 1.40
7 1/2	"	9	"	"	" 1.40
8	"	9	"	"	" 1.50
8	"	10	"	"	" 1.50
8	"	11	"	"	" 1.60
8 1/4	"	10	"	"	" 1.60
8 1/2	"	10	"	"	" 1.60
8 1/2	"	11	"	"	" 1.70
9	"	11	"	"	" 1.80
9	"	12	"	"	" 1.80
9 1/2	"	12	"	"	" 1.90
10	"	12	"	"	" 2.10

ELM BUGGY HUBS.

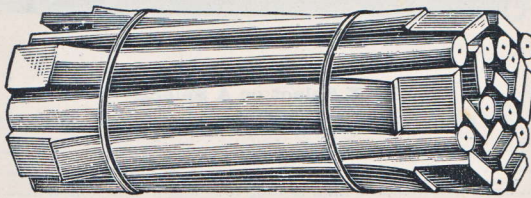
4 to 5 inches diameter.....	Per set, Painted Ends, \$1.10	Select, \$1.45
5 1/4 to 5 3/4 " ".....	" " " 1.30	" 1.55
6 to 6 1/2 " ".....	" " " 1.50	" 1.70

SULKY HUBS.

3 to 5 1/2 inches diameter, 18 Mortises.....	Per set, Painted Ends, \$.85	Select, \$1.00
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SPOKES.

FOREST OAK SPOKES.



Fifty-Two Spokes to a Set.

XX.

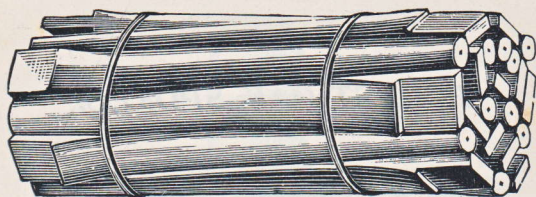
1½ to 1¾ inches	Per set, \$1.65
1⅞ to 2	“ 1.65
2⅞	“ 1.70
2¼ to 2½	“ 1.75
2⅝	“ 1.85
2¾	“ 2.00
3	“ 2.10

B Select.

2 inches	“ 2.10
2⅞	“ 2.15
2¼	“ 2.25
2⅝	“ 2.25
2½	“ 2.35

XXX.

1½ to 1⅞ inches	“ 2.00
2	“ 2.20
2⅞	“ 2.40
2¼ to 2½	“ 2.50
2⅝	“ 2.75
2¾	“ 3.00
3	“ 3.25

SELECT OAK SPOKES.**XXX Select or A Select.**

1½ to 1¾ inches.....	Per set, \$2.60
1⅞ to 2 ".....	" 2.65
2⅞ ".....	" 2.70
2¼ and 2⅝ ".....	" 2.90
2½ " 2⅝ ".....	" 3.10
2¾ ".....	" 3.20

XXX Extra Select or A Extra Select.

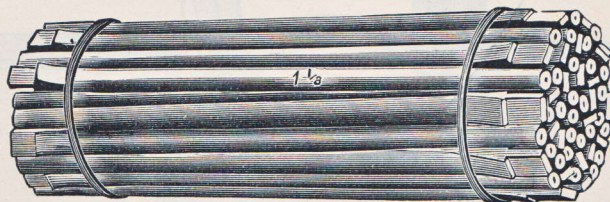
1½ to 1¾ inches.....	Per set, \$2.90
1⅞ to 2 ".....	" 3.00
2⅞ ".....	" 3.10
2¼ and 2⅝ ".....	" 3.20
2½ " 2⅝ ".....	" 3.35
2¾ ".....	" 3.75

SECOND GROWTH OAK SPOKES.**B--Second Growth.**

1½ to 1¾ inches.....	Per set, \$4.10
1⅞ to 2 ".....	" 4.25
2⅞ to 2¼ ".....	" 4.35
2½ ".....	" 4.35

A--Second Growth.

1½ to 1¾ inches.....	Per set, \$4.35
1⅞ to 2 ".....	" 4.50
2⅞ to 2¼ ".....	" 4.85
2½ ".....	" 5.00

HICKORY SPOKES.

1 to $1\frac{3}{8}$ Inches, 60 to a Set ; $1\frac{1}{2}$ to 2 Inches, 52 to a Set.

Forest Hickory.

	XX	XXX
$1\frac{1}{8}$ to $1\frac{1}{2}$ inches.....	\$1.85	\$2.35
$1\frac{3}{8}$ to 2 ".....	2.00	2.60

Select Hickory.

	XXX Select.	XXX Extra Select.
$1\frac{1}{8}$ to $1\frac{1}{2}$ inches.....	\$ 2.75	\$3.00
$1\frac{3}{8}$ to 2 ".....	3.00	3.25

Second Growth Hickory, Mixed.

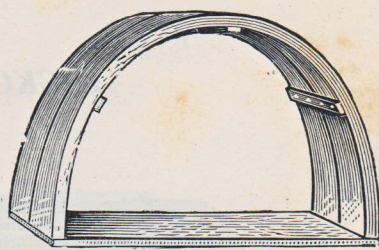
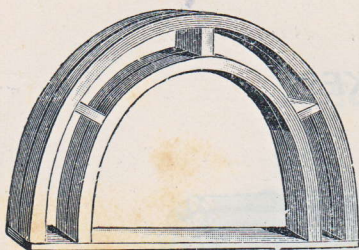
1 to $1\frac{1}{2}$ inches	\$2.75
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**Spokes for Sarven Patent Wheels.**

	B	C
1, $1\frac{1}{8}$ and $1\frac{1}{4}$ inches.....	Per 100, \$6.00	\$5.00
$1\frac{3}{8}$ ".....	" 7.00	6.00
$1\frac{1}{2}$ ".....	" 8.00	7.00

Agricultural Club Spokes.

	B	C
$1\frac{1}{4}$, $1\frac{3}{8}$ and $1\frac{1}{2}$ inches.....	Per 100, \$5.00	\$4.00
$1\frac{3}{8}$ to $1\frac{1}{4}$ ".....	" 6.00	5.00



OAK BENT WAGON RIMS.

Planed on all Sides and Strongly Packed with Board and Hoop Iron.

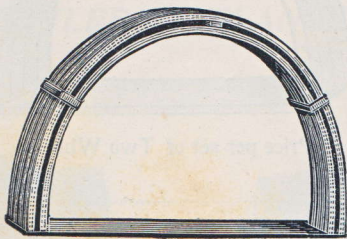
Price per Set of Four Wheels.

1½ x 1⅝ inches Deep, 3-8x4-6 Stock Diameter	Per set, \$1.40
1½ x 1¾	1.50
1½ x 2	1.60
1⅞ x 1¾	1.60
1⅞ x 2	1.70
1¾ x 2	1.80
1¾ x 2⅛	1.95
1¾ x 2¼	2.10
1⅞ x 2⅜	2.30
2 x 2¼	2.30
2 x 2½	2.60

OAK BENT TRUCK RIMS.

1 1/2 inches Wide, 1 1/2 inches Deep, Stock Diameter										2 feet	10 inches,	3 feet	XXX	
1 1/2	inches	Wide,	1 1/2	inches	Deep,	Stock	Diameter	2	feet	10	inches,	3	feet	\$ 1.20
2	"	"	1 1/2	"	"	"	"	2	"	10	"	3	"	1.50
2 1/2	"	"	1 1/2	"	"	"	"	2	"	10	"	3	"	1.75
3	"	"	1 1/2	"	"	"	"	3	"	2	"	3	"	2.00
3 1/2	"	"	1 1/2	"	"	"	"	3	"	2	"	3	"	2.25
4	"	"	1 1/2	"	"	"	"	3	"	2	"	3	"	2.50
2	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	1.90
2 1/4	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	2.00
2 1/2	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	2.15
3	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	2.25
3 1/2	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	2.75
4	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	3.00
4 1/2	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	3.25
5	"	"	1 3/4	"	"	"	"	3	"	2	"	3	"	3.50
1 3/4	"	"	2	"	"	"	"	2	"	10	"	3	"	1.75
2	"	"	2	"	"	"	"	2	"	10	"	3	"	1.90
2 1/2	"	"	2	"	"	"	"	2	"	10	"	3	"	2.25
3	"	"	2	"	"	"	"	3	"	6	"	4	"	2.75
3 1/2	"	"	2	"	"	"	"	3	"	6	"	4	"	3.00
4	"	"	2	"	"	"	"	3	"	6	"	4	"	4.00
1 3/4	"	"	2 1/4	"	"	"	"	2	"	10	"	3	"	2.00
3	"	"	2 1/4	"	"	"	"	3	"	6	"	4	"	3.00
3 1/2	"	"	2 1/4	"	"	"	"	3	"	6	"	4	"	3.25
4	"	"	2 1/4	"	"	"	"	3	"	6	"	4	"	3.50
1 3/4	"	"	2 1/2	"	"	"	"	2	"	10	"	3	"	2.25
3 1/2	"	"	2 1/2	"	"	"	"	3	"	8	"	4	"	3.50
4	"	"	2 1/2	"	"	"	"	3	"	8	"	4	"	3.75

HICKORY BENT RIMS.



Price per Set of Four Wheels.

Planed on all Sides, and neatly Packed with Boards and Hoop Iron. Every Rim Good.

When ordering Rims, give Width First and Depth Last.

CARRIAGE OR BUGGY.

										XXX
Size, 1	inch,	Stock	Diameter,	3 feet	10 inches,	4 feet	2 inches	..... Per set, \$		.90
" 1 1/8	"	"	"	3	" 10	"	4 " 2	"	"	1.00
" 1 1/4	"	"	"	3	" 10	"	4 " 2	"	"	1.10
" 1 3/8	"	"	"	3	" 8	"	4 " 2	"	"	1.20
" 1 1/2	"	"	"	3	" 8	"	4 " 2	"	"	1.35
" 1 5/8	"	"	"	3	" 8	"	4 " 2	"	"	1.50
" 1 3/4	"	"	"	3	" 8	"	4 " 2	"	"	1.60

HICKORY BENT SULKY RIMS.

Price per set of Two Wheels.

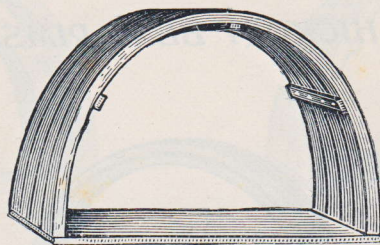
										XXX
Size, 1	inch,	Stock	Diameter,	4 feet	10 inches	..... Per set, \$				
" 1 1/8	"	"	"	4	" 10	"	"	"	"	1.00
" 1 1/4	"	"	"	4	" 8	"	"	"	"	1.25

CULTIVATOR RIMS.

Price per Set of Two Wheels.

1 1/4 x 1 1/4	Diameter 2 feet 10 inches Per set, \$.55
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HICKORY BENT RAKE AND SEEDER RIMS.

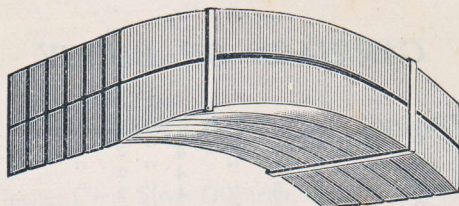


Price per set of Two Wheels.

			XXX
1 1/2 x 1 1/4	Diameter 4 feet	Per set, \$.75
1 3/8 x 1 1/4	" "	"	.90
1 3/4 x 1 1/4	" "	"	1.00
2 x 1 1/4	" "	"	1.10
2 1/4 x 1 1/4	" "	"	1.20
2 1/2 x 1 1/4	" "	"	1.30
1 1/4 x 1 3/8	" "	"	.85
2 x 1 1/2	4 feet, 6 inches	"	.75

SAWED FELLOES.

Sawed Wagon and Truck Felloes.



Twenty-Six Pieces to a Set.

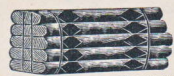
Height, 3 feet 8 inches x 4 feet 6 inches.

				Per set, \$
1 3/4 inches Wide,	2 1/4 inches Deep			1.20
1 3/4 "	" "	2 3/8 "	" "	1.25
1 3/4 "	" "	2 1/2 "	" "	1.30
2 "	" "	2 1/4 "	" "	1.35
2 "	" "	2 1/2 "	" "	1.40
2 "	" "	2 3/4 "	" "	1.50
2 "	" "	3 "	" "	1.60
3 1/2 "	" "	2 1/4 "	" "	3.60
			3 feet 2 inches, 3 feet 8 inches Truck	

FINISHED SAWED FELLOES.



FINISHED FELLOES 3 1/4" B CIRCLE



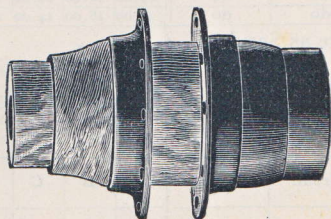
FINISHED FELLOES 4" FFB CIRCLE

				Per set, \$
1 3/4 inches Wide,	2 1/4 inches Deep			1.60
1 3/4 "	" "	2 3/8 "	" "	1.75
1 3/4 "	" "	2 1/2 "	" "	1.90

SARVEN PATENT WHEELS.

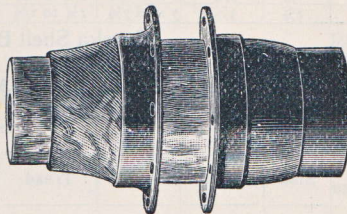
STYLES OF FLANGES.

Order by Number.



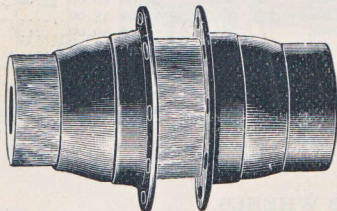
No. F 3.

Back flange extending out even with back of Hub.



No. F 4.

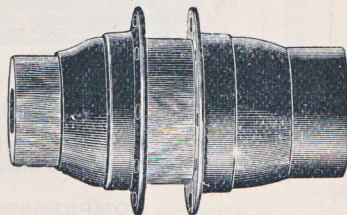
Back flange extending over back end of Hub and forming Sand Band.



No. F 5.

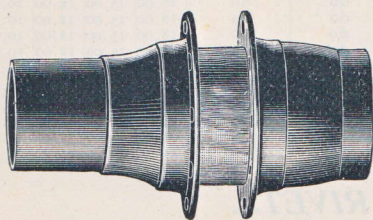
Front flange extending to Gain for Point Band. Back flange extending out even with back end of Hub.

We carry this Pattern in Stock.



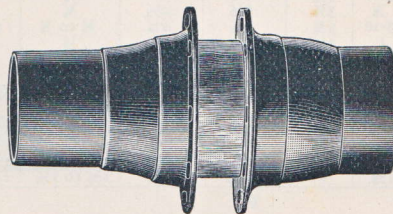
No. F 6.

Front flange extending to Gain for Point Band, and back flange extending over back, forming Sand Band.



No. F 7.

Solid front flange, forming Point Band. Back flange extending out even with back end of Hub.



No. F 8.

Solid front flange, forming Point Band. Back flange extending over back end of Hub to form Sand Band.

We carry this Pattern in Stock.

Styles of Flanges on Wheels in Stock, F 5 and F 8 only, but any pattern desired promptly furnished direct.

SARVEN PATENT WHEELS.

LIGHT WHEELS.

SPOKE.		HUB.		RIM.		MAXIMUM HEIGHT.		PRICE PER SET.			
No. Flange	Size.	Diam.	Length.	Tread.	Depth.	Front.	Hind.	A	B	C	D
01	15-16	2 15-16	6 1/2	7/8	1 to 1 1/4	4 ft.	4 ft. 4 in.	\$17.00	\$14.00	\$11.00	\$ 9.00
0	1	3	6 1/2	7/8 to 1	1 1/8 to 1 1/4	do	do	17.00	14.00	11.00	9.00
1	1 1-16	3 1-16	6 1/2	1	1 1/8 to 1 1/4	do	do	17.00	14.00	11.00	9.00
3	1 1/8	3 3-16	6 1/2	1 to 1 1/8	1 1/4 to 1 1/8	do	do	17.00	14.00	11.00	9.00
7	1 3-19	3 7-16	6 1/2 and 7	1 to 1 1/8	1 1/4 to 1 3/8	do	do	19.00	16.00	12.00	10.00
9	1 1/4	3 3/8	7 and 7 1/2	1 1/8 to 1 1/4	1 3/8 to 1 1/2	do	do	19.00	16.00	12.00	10.00
13	1 1/8	3 3/8	7 and 7 1/2	1 1/4 to 1 1/8	1 3/8 to 1 1/8	do	do	21.00	18.00	14.00	11.00

Eureka Shell Band same price as Sarven.

HEAVY WHEELS.

SPOKE.		HUB.		RIM.		MAXIMUM HEIGHT.		PRICE PER SET.			
No. Flange	Size.	Diam.	Length.	Tread.	Depth.	Front.	Hind.	A	B	C	D
17	1 7-16	4 1/8	7 1/2	1 7-16	1 5/8	4 ft.	4 ft. 8 in.	\$23.00	\$20.00	\$17.00	\$14.00
21	1 1/2	4 5-16	7 1/2 and 8	1 1/2	1 1/4	do	do	25.00	22.00	19.00	16.00
25	1 9-16	4 5/8	8 and 8 1/2	1 9-16	1 3/4	do	do	27.00	24.00	21.00	18.00
33	1 5/8	5	8 1/2 and 9	1 5/8	1 3/8	do	do	29.00	26.00	23.00	20.00
39	1 3/4	5 5/8	8 1/2 and 9	1 3/4	2 1/4	do	do	32.00	29.00	26.00	.....
45	1 7/8		9 to 11	1 7/8	2 1/4	do	do	35.00	32.00	29.00	.....
51	2 1/8	6 3/8	10 to 11	2 1/8	2 1/2	do	do	40.00	35.00	32.00	.....
57	2 1/4	6 3/8	10 to 11	2 1/4	2 3/4	do	do	45.00	40.00	35.00	.....
63	2 3/8	7	11 to 12	2 3/8	3	do	do	50.00	45.00	.....	.....
71	2 1/2	7 1/4	11 to 13	2 1/2	3	do	do	55.00	50.00	.....	.....
73	2 5/8	7 1/4	11 to 13	2 5/8	3 1/4	do	do	60.00	55.00	.....	.....
79	2 3/4	7 3/8	12 to 14	2 3/4	3 1/4	do	do	65.00	60.00	.....	.....
85	2 7/8	8 1/4	12 to 14	2 7/8	3 1/2	do	do	70.00	.....	.....	.....
95	3	9	12 to 16	3	3 1/2	do	do	75.00	.....	.....	.....
105	3 1/4	9	12 to 16	3 1/4	3 3/4	do	do	80.00	.....	.....	.....

Sizes noted are the maximum heights allowed in sets.
In pairs the maximum heights are 4 ft. 4 in.

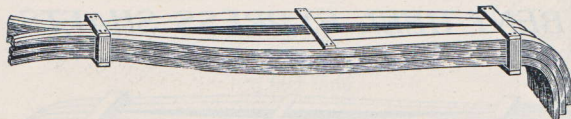
COMPRESSED BAND HUB WHEELS.

SPOKE.		HUB.		RIM.		MAXIMUM HEIGHT.		PRICE PER SET.			
Size.	Diam.	Length.	Point Band.	Tread.	Depth.	Front.	Hind.	A	B	C	D
13-16	3 1/8	6 1/2	2	3/4	1	4 ft.	4 ft. 4 in.	\$18.00	\$15.00	\$12.00	\$10.00
7/8	3 3/4	6 1/2	2 1/8	3/4	1	do	do	18.00	15.00	12.00	10.00
15-16	3 3/8	6 1/2	2 1/4	3/4 to 7/8	1 to 1 1/8	do	do	18.00	15.00	12.00	10.00
1	3 1/2	6 1/2	2 1/4	7/8	1 1/8	do	do	18.00	15.00	12.00	10.00
1 1-16	3 3/8	6 1/2	2 3/8	7/8 to 1	1 1/8	do	do	18.00	15.00	12.00	10.00
1 1/8	3 3/4	6 1/2	2 1/2	1	1 1/4	do	do	18.00	15.00	12.00	10.00
1 3-16	4	6 1/2 or 7	2 3/4	1 to 1 1/8	1 1/4 to 1 5-16	do	do	20.00	17.00	13.00	11.00
1 1/4	4 1/4	6 1/2 or 7	3	1 1/8	1 3/8	do	do	20.00	17.00	13.00	11.00
1 1/8	4 1/2	7	3 3/8	1 1/4	1 3/8 to 1 1/2	do	do	24.00	19.00	15.00	12.00
1 7-16	5	7	3 3/4	1 1/4	1 1/2 to 1 3/8	do	do	25.00	22.00	19.00	16.00
1 1/2	5 1/2	7	3 3/4	1 1/2 to 1 3/8	1 1/2 to 1 3/8	do	do	27.00	24.00	21.00	18.00
1 5/8	6	8	4 1/4	1 3/8 to 1 1/2	1 3/8 to 1 3/4	do	do	31.00	28.00	25.00	22.00

SCREWS AND RIVETS.

Inserted in Rims at following prices, with same Discount as on Wheels.

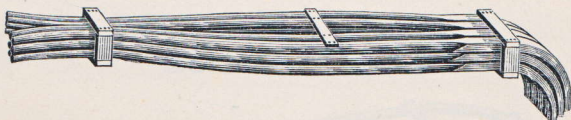
All Wheels	1 1/8 tread and under	Per Set, with Screws, .60.	With Rivets, .75
"	" 1 1/4 "	" " " .75.	" " " 1.00
"	" 1 3/8 "	" " " 1.00.	" " " 1.25
"	" 1 1/2 and 1 5/8 tread	" " " 1.25.	" " " 1.75
"	" 1 3/4, 1 7/8 and 2 "	" " " 1.50.	" " " 2.00
"	" 2 1/8 and 2 1/4 "	" " " 2.00.	" " " 2.50
"	" 2 1/2 tread	" " " 2.50.	" " " 3.00

BENT HEEL BUGGY SHAFTS.

8 feet 3 inches long.

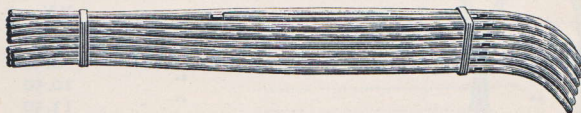
ROUGH.

Size.		XX.	XXX.	Black Hickory.
1½x2.....	Per dozen pairs,	\$5.00	\$6.50	\$8.50
1½x2¼.....	“	6.00	7.50	9.50
1⅝x2¼.....	“	7.50	9.50	10.50

**HALF FINISHED.**

Finished to Cross Bar. Without Mortise or Bar.

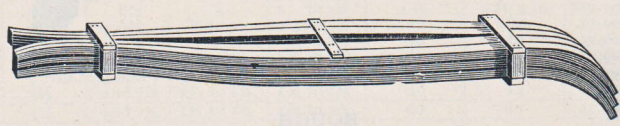
Size.		XX.	XXX.	Black Hickory.
1½x2.....	Per dozen pairs,	\$6.50	\$8.75	\$12.00
1½x2¼.....	“	8.00	10.50	13.50
1⅝x2¼.....	“	9.50	12.00	15.00

**FINISHED.**

Ready to put together. Finished Cross Bars included.

Size.		XX.	XXX.	Black Hickory.
1⅜x2.....	Per dozen pairs,	\$9.00	\$10.00	
1½x2.....	“	9.50	10.50	\$14.45
1½x2¼.....	“	10.00	11.00	16.00
1⅝x2¼.....	“	11.00	12.00	17.50

BENT HEEL EXPRESS SHAFTS.



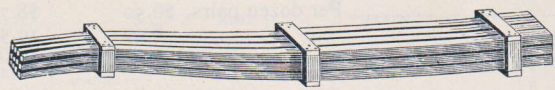
8 feet 8 inches long.

ROUGH.

Planed on all sides.

Size.		XX.	XXX.
1 5/8 x 2 1/4	Per dozen pairs,	\$ 9.00	\$11.00
1 3/4 x 2 1/4	"	9.75	12.00
2 x 2 1/2	"	12.00	14.25

STRAIGHT HEEL BUGGY AND EXPRESS SHAFTS.



ROUGH.

Planed on all sides. Neatly put up in solid bundles.

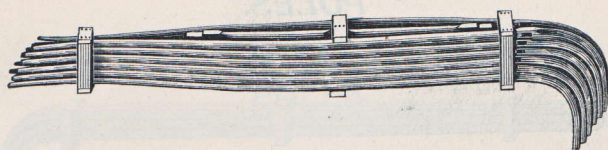
Size.		XX.	XXX.
1 1/2 x 2 1/4 Buggy	Per dozen pairs,	\$ 5.50	\$ 7.50
1 3/4 x 2 1/4 inches, Express	"	8.50	10.50
2 x 2 1/2 " "	"	10.50	12.75
2 x 3 " "	"	13.50	15.75

FINISHED.

Ready to put together. Finished Bars included.

Size.		XX.	XXX.
2 x 2 1/2 inches	Per dozen pairs,	\$14.50	\$16.90

CART SHAFTS.



9 feet long.

ROUGH.

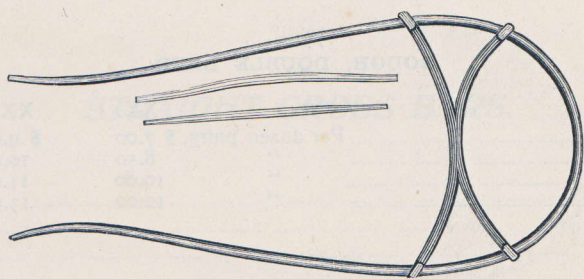
Size.		XXX.
1 5/8 x 2	Per dozen pairs, \$16.00	
1 1/2 x 2 1/4	"	12.00
1 5/8 x 2 1/4	"	13.00
1 3/4 x 2 1/4	"	14.00

FINISHED.

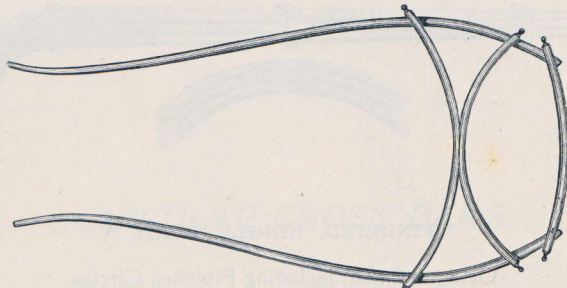
Without Bars.

Size.		XXX.
1 5/8 x 2 1/4	Per dozen pairs, \$14.00	
1 3/4 x 2 1/4	"	15.00

SULKY SHAFTS.



Circle Back.

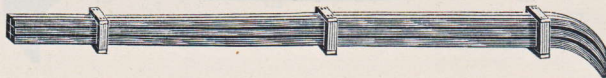


Half Circle.

ROUGH.

	XXX.
Circle Back—1 3/4 x 2	\$18.00
Half Circle—1 3/4 x 2	15.00

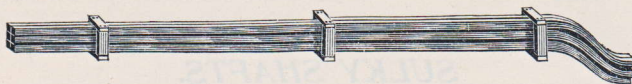
POLES.



ROUGH, SINGLE BEND.

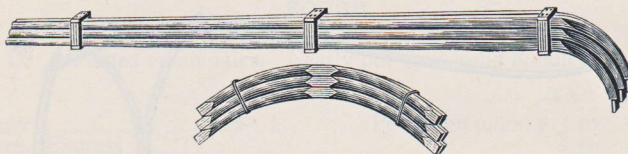
Planed on all sides.

Size.		XX.	XXX.	Black Hickory.
1 3/4 x 2 1/4	Per dozen pairs, \$	5.00	\$ 6.00	\$ 8.00
2 x 2 1/2	"	5.50	8.00	9.00
2 x 2 3/4	"	6.00	9.00	10.00
2 x 3	"	6.50	10.00	11.00
2 1/4 x 3	"	9.00	12.00	13.00



ROUGH, DOUBLE BEND

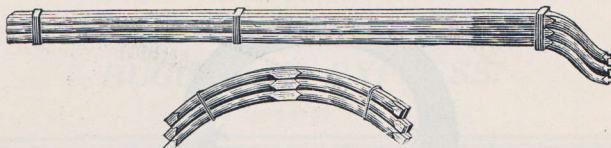
Size.		XX.	XXX.	Black Hickory.
2 x 2 1/2	Per dozen pairs, \$	7.00	\$ 9.00	\$10.00
2 x 2 3/4	"	8.50	10.00	11.00
2 x 3	"	10.00	11.00	13.00
2 1/4 x 3	"	12.00	13.00	14.00



FINISHED, SINGLE BEND.

Octagon finish, including Finished Circles.

Size.		XX.	XXX.	Black Hickory.
2 x 2 1/2	Per dozen pairs, \$	8.00	\$ 9.00	\$10.00
2 x 2 3/4	"	9.00	10.50	12.00
2 x 3	"	10.00	12.00	14.00
2 1/4 x 3	"	12.00	14.00	16.00

POLES.

FINISHED, DOUBLE BEND.

Including Finished Circles.

Size.		XX.	Black Hickory.
2X2½	Per dozen pairs,	\$10.00	\$16.00
2X2¾	“	12.00	18.00
2X3	“	14.00	20.00

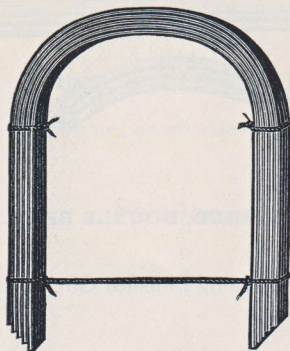
STRAIGHT CROSS BARS.

Size.		XXX.
1¼ x2	Per dozen,	\$1.20
1⅜ x2	“	1.25
1½ x2	“	1.30
1⅝ x2¼	“	1.35
1¾ x2¼	“	1.65
1¾ x2½	“	1.75
2X2½	“	2.00

CIRCULAR CROSS BARS.

		XXX.
1¼ x1¼	Per dozen,	\$1.25
1⅜ x1⅜	“	1.30
1½ x1½	“	1.35
1⅝ x1⅝	“	1.40
1¾ x1¾	“	1.50

WHITE ASH WAGON BOWS.

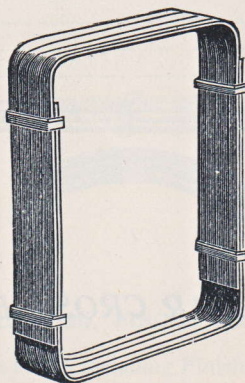


ROUND TOP.

Five Pieces to a Set. Two Sets to a Bundle.

Size— $\frac{3}{8}$ x2 inches, Round Top.....	Per set, \$.70
“ — $\frac{3}{8}$ x2 “ Square “	“ .75

BUGGY OR CARRIAGE BOWS.



LONG BOWS.

White Ash, Second Growth. Four pieces to a Set.

Long, $\frac{3}{4}$ x1 $\frac{1}{4}$, 2 feet 6 inches to 4 feet Wide.....	Per set, \$.80
Short, $\frac{3}{4}$ x1 $\frac{1}{4}$, “ “ “ “	“ .40

SINGLE TREES.

BUGGY AND EXPRESS.



Regular End.



Sword End.

Size.		Forest.	Second Growth.
1 $\frac{3}{8}$ to 1 $\frac{5}{8}$ x 40 inches	Per dozen,	\$1.50	\$2.50
1 $\frac{3}{4}$ x 40 inches	"	1.60	2.60
1 $\frac{7}{8}$ x 40 "	"	1.65	2.65
2 x 40 "	"	1.75	2.75
2 $\frac{1}{8}$ x 40 "	"	1.85	2.85
2 $\frac{1}{4}$ x 40 "	"	1.90	2.90
2 $\frac{3}{8}$ x 40 "	"	2.00	
2 $\frac{1}{2}$ x 40 "	"	2.10	
1 $\frac{3}{4}$ x 42 "	"	1.90	
1 $\frac{7}{8}$ x 42 "	"	2.00	
2 x 42 "	"	2.10	

OVAL WAGON.



Size.		Forest.	Second Growth.
2 $\frac{1}{4}$ x 36 inches		\$.90	
2 $\frac{3}{8}$ x 36 "		.95	\$2.25
2 $\frac{1}{2}$ x 36 "		1.00	2.50
2 $\frac{5}{8}$ x 36 "		1.10	2.75
2 $\frac{3}{4}$ x 36 "		1.20	3.00
2 $\frac{3}{4}$ x 38 "		1.25	
2 $\frac{3}{4}$ x 42 "		1.50	
3 x 40 "		2.00	

SINGLETREES.

ROUND WAGON.



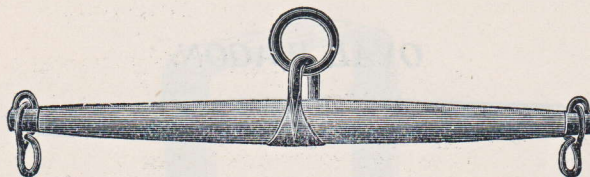
Size.		Forest.
2 3/8 x 36 inches	.....	Per dozen, \$1.10
2 1/2 x 36	.....	" 1.20
2 5/8 x 36	" 1.25
2 3/4 x 36	" 1.35
2 5/8 x 46	" 2.25
2 3/4 x 46	" 2.50

PLOW.



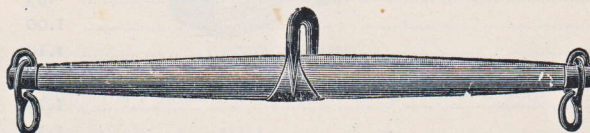
2 1/4 x 30 inches	Per dozen, \$.75
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IRONED WAGON.



2 1/2 x 36 inches, with Ringed Clip	Per dozen, \$3.00
2 5/8 x 38 " " Twisted Clip, Extra Heavy	" 3.50

IRONED PLOW.



2 1/4 x 30 inches, with Twisted or Ring Clip	Per dozen, \$2.50
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DOUBLETREES.

BUGGY AND EXPRESS.



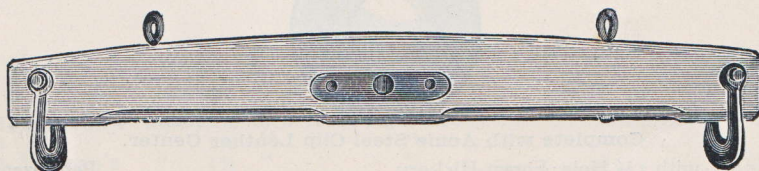
Size.	Forest.	Black Hickory.
1 $\frac{3}{8}$ x 2 $\frac{1}{8}$ x 48	Per dozen, \$2.15	\$2.75
1 $\frac{1}{8}$ x 2 $\frac{1}{4}$ x 48	" 2.25	3.00
1 $\frac{1}{2}$ x 2 $\frac{1}{4}$ x 48	" 2.30	3.25
1 $\frac{3}{4}$ x 2 $\frac{1}{4}$ x 48	" 2.35	
1 $\frac{3}{4}$ x 2 $\frac{1}{2}$ x 48	" 2.40	
1 $\frac{3}{4}$ x 3 x 48	" 2.50	

WAGON.



Size.	Forest.	Second Growth.
2 x 4 x 48 inches	Per dozen, \$2.25	\$2.75
2 x 4 $\frac{1}{2}$ x 48 "	" 2.50	
2 x 4 $\frac{1}{2}$ x 48 "	" 2.75	
2 $\frac{1}{2}$ x 5 x 48 "	" 3.50	

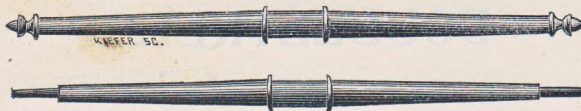
IRONED WAGON.



2x4x48 inches, with Iron Center Plates and Clevises.....Per dozen, \$6.00

NECKYOKES.

BUGGY AND EXPRESS.



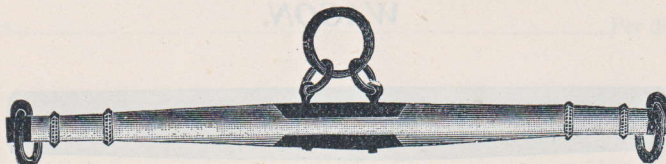
Size.		Forest.	Second Growth.
1 1/2 x 42 inches	.....	Per dozen, \$2.00	\$3.00
1 3/4 x 42	“	“ 2.25	3.25
1 7/8 x 42	“	“ 2.35	3.50
2 x 42	“	“ 2.50	3.75

WAGON.



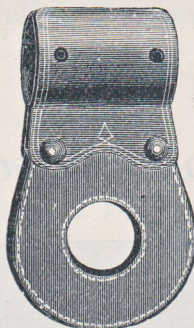
Size.		Forest.	Second Growth.
2 1/4 x 38 inches	.....	Per dozen, \$1.25	\$2.25
2 3/8 x 38	“	“ 1.35	2.50
2 1/2 x 38	“	“ 1.50	2.75
2 5/8 x 38	“	“ 1.75	
2 3/4 x 40	“	“ 2.25	
2 3/4 x 42	“	“ 2.00	
2 3/4 x 46	“	“ 2.50	
3 x 46	“	“ 3.75	

IRONED WAGON.



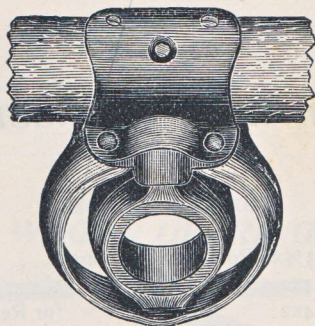
2 1/2 x 38 inches with Wrought Irons, except Ferrules	.....	Per dozen, \$4.50
2 1/2 x 40 “ “ Extra Large Center Ring	.....	“ 5.00

FINISHED BUGGY NECKYOKES.



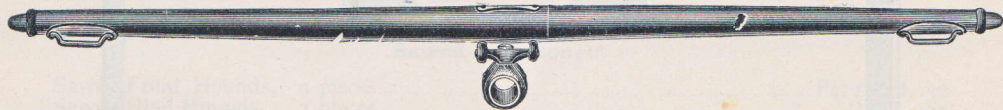
Complete with Acme Steel Clip Leather Center.

No. 3 Acme, with 1 3/8 Hole, Forest Hickory	.....	Per dozen, \$4.50
No. 4 “ “ 1 3/8 “ “	.....	“ 4.75

SHUMAN'S SWIVEL NECKYOKES.

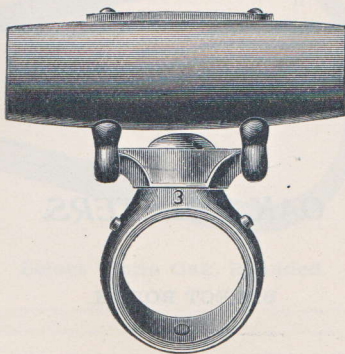
Shuman's Neckyokes Complete.

No. 3, Second Growth, Medium Size, $1\frac{1}{2}$ inch Hole	Per dozen, \$11.00
No. 4 " " Large " $1\frac{3}{8}$ " "	" 12.00

JOHNSON'S SWIVEL NECKYOKES.

The Ring is made of Cast Steel, lined with Leather, riveted in with three Rivets. All other parts are Steel forgings. These are nicely fitted together, making a neat and very much more durable Center than Leather.

No. 3, Johnson's, $1\frac{7}{8}$ inch Woods, $1\frac{1}{2}$ inch Hole	Per dozen, \$ 9.00
No. 4 " 2 " " $1\frac{3}{8}$ " "	" 10.00

NECKYOKE CENTERS ONLY.

Johnson's.

No. 3, Johnson's Patent, $1\frac{1}{2}$ inch Hole, Japanned	Per dozen, \$6.00
" 4 " " $1\frac{3}{8}$ " " "	" 6.00
" 3, Shuman's " $1\frac{1}{2}$ " " "	" 7.00
" 4 " " $1\frac{3}{8}$ " " "	" 7.00

ROUGH ASH OR OAK WAGON POLES.

FINISHED ASH POLE SQUARE BUTT.

ASH WAGON TONGUES.**SELECT ROUGH.**

3½x3½	Butt and 3½x2	Point, 12 feet long	Each, \$	.80
4x4	" "	4x2 " 12 "	"	.85
4x4	" "	4x2 " 14 "	for Reapers..	1.00
Seconds and Cull Tongues				.60 to .70

FINISHED TONGUES.

Surfaced and Shaped	Each, \$	1.10
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HICKORY AXLES.**SELECT ROUGH.**

3	x4	inches, 6 feet long	Per pair, \$	1.10
3½	x4½	" 6 "	"	1.30
4	x5	" 6 "	"	1.50
4	x6	" 6 "	"	1.60
4½	x6	" 6 "	"	1.80
5	x6	" 6 "	"	2.00

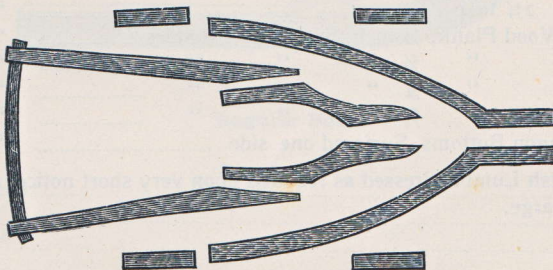
OAK BOLSTERS.**SELECT ROUGH.**

3	x4	inches, 4 feet long	Per pair, \$	.40
3¼	x4¼	" 4 "	"	.45
3½	x4½	" 4 "	"	.50
3½	x5	" 4 "	"	.60
4	x5	" 4 "	"	.70
4	x6	" 4 "	"	.80

OAK REACHES.

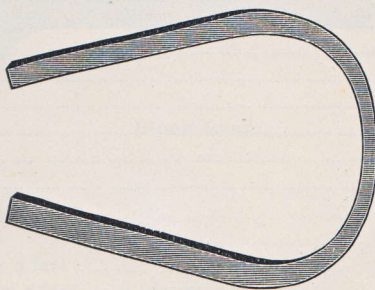
Select Rough, 2x4 Inches.

8 feet long	Each, \$	.30
10 " "	"	.38
12 " "	"	.45
14 " "	"	.53
16 " "	"	.60

WAGON GEARING.

Sawed Oak, Rough.

Sawed Front Hounds, 2 pieces	Per set, \$	.30
Sawed Hind Hounds, 2 pieces	"	.35
Sawed Tongue Hounds 2 pieces	"	.35
Sawed Sway Bar, 1 piece	Each,	.25
Sawed Wagon Stakes, 4 pieces	Per set,	.25
Sawed Wagon Gearing, complete, 11 pieces	"	1.25

BENT HOUNDS.

Select White Oak, Rounded.

Front, Narrow Track	Each, \$.60
Hind " "	"	.70

WAGON BOX CLEATS.

3½x1½ inches, 4 feet 2 inches Long	Per dozen, \$	1.00
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HARDWOOD LUMBER.

White Oak Plank, 1	to 2 inches	Per 1000 feet, \$50.00
"	"	" 2¼ to 4 "	" " 55.00
Hickory	"	" 1 to 2 "	" " 65.00
"	"	" 2¼ to 4 "	" " 70.00
Ash	"	" 1 to 2 "	" " 50.00
"	"	" 2¼ to 4 "	" " 55.00
Poplar or White Wood Plank,	½ inch, Surfaced two sides	.....	" " 45.00
"	"	" 5/8, " " "	" " 47.00
"	"	" ¾ " " "	" " 50.00
"	"	" 7/8 " " "	" " 50.00
Hard Pine for Wagon Bottoms,	Surfaced one side	.....	" " 35.00

We can furnish Lumber dressed as required upon very short notice, and at a reasonable additional charge.

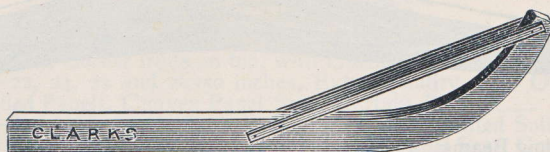
CUTTER STUFF.

A complete set of Cutter Stuff includes Runners, Raves and Fenders.

One Seat, Square Body, Stuff Complete	.....	Per set, \$1.00
Two " " " "	.....	" 1.10
One " Swell Body " "	.....	" 1.75
Two " " " "	.....	" 2.00
1¼ inch Cutter Runners	.....	Per pair, .50
1⅜ " " " "	.....	" .60
1½ " " " "	.....	" .60
Cutter Raves	.....	" .40
Cutter Knees and Beams	.....	Per set, .40
Fenders	.....	Per pair, .40

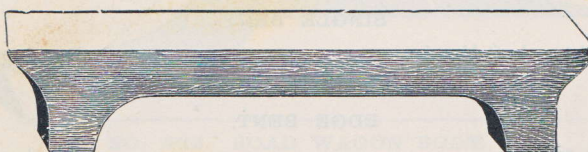
GROCER BOB STUFF.

1½ inch High Bend, including Runners, Raves and Fenders	.....	Per set, \$1.75
1¾ " " " " " "	.....	" 1.90
1½ " " Runners only	.....	" 1.20
1¾ " " " " "	.....	" 1.30

SOLID BENT OAK BOB RUNNERS.**Regular Bend.**

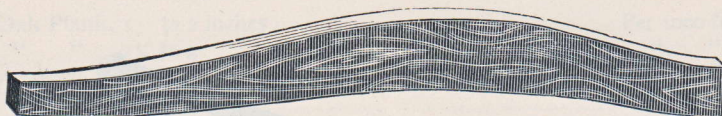
Size.

2x3 inches Deep	.....	Per set, \$1.35
2x3½ " "	.....	" 1.60
2x4 " "	.....	" 1.70

SAWED BOB GEARING ROUGH.**Block Beam.**

Block Beam Gearing, 16 pieces	.....	Per set, \$3.00
Knee Bob " 30 "	.....	" 2.90
Block Beams, 3 x 9 in. x 4 feet	.....	Each, .60
Knee Beams, 2 x 3½ in. x 4 feet	6 pieces	Per set, .80
Bob Knees, 2 x 3½ x 18 inches	12 "	" .60
Bob Raves, 1¼ x 7 in. x 5 feet	4 "	" .75
" " 1¼ x 8 in. x 5 feet	4 "	" .85
Bob Rollers, 3 x 3½ in. x 3 feet	2 "	" .25
Saddle Pieces, 2½ x 3 x 30 inches	2 "	" .20
Bob Bolsters, 3 x 4 in. x 4 feet	1 piece	Each, .50
" " 3½ x 4½ x 4 feet	1 "	" .55
Sand Boards, 2 x 12 x 28 inches	2 pieces	Per set, .30
Bob Reaches, 2 x 4 x 48 inches	1 piece	Each, .

PLOW BEAMS.



12 inch Stirring Plow Beams.....	Each, \$.60
14 " " " ".....	" .75
16 " " " ".....	" .85
14 " Breaking " ".....	" .85
16 " " " ".....	" 1.00

PLOW HANDLES.

STRAIGHT.

Straight..... Per single dozen, \$1.50

SINGLE BENT.

Single Bent, Right or Left Hand..... Per single dozen, \$1.75

EDGE BENT.

Edge Bent, High or Low..... Per single dozen, \$2.00

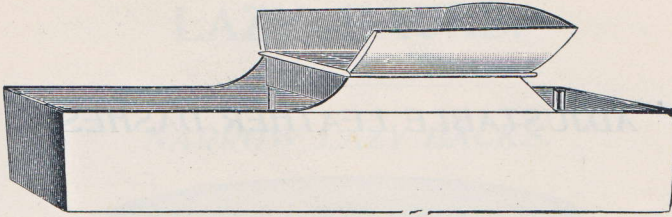
DOUBLE BENT.

Double Bent, for Mould Board, Right or Left Hand..... Per single dozen, \$2.00

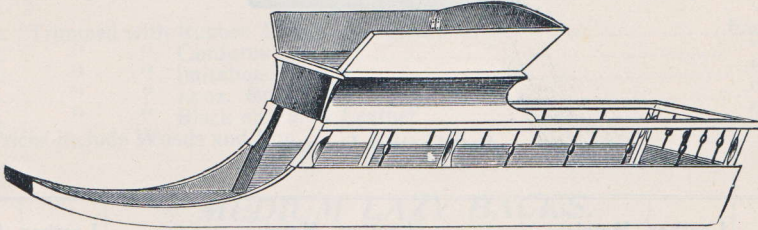
HARROW STUFF.

WHITE OAK, ROUGH.

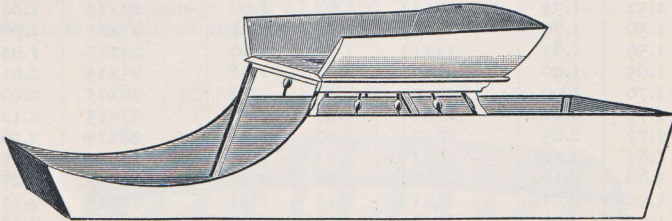
2¼x2¼ inches, 5 feet long.....	Each, \$.12
2½x2½ " 5 ".....	" .15

BUGGY BODIES.**NO. 265. PIANO BODY.**

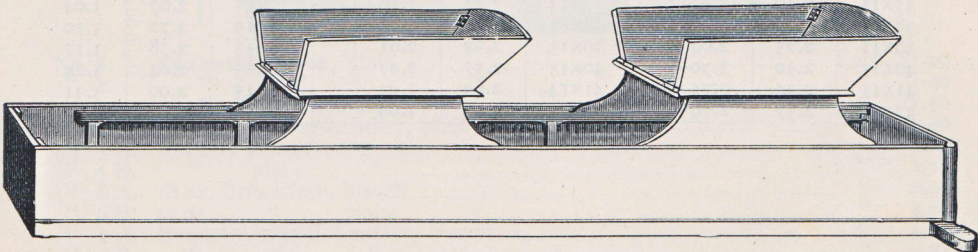
- No. 265. Piano—22, 23, 24, 25 and 26x50 inches, Swelled Side Panels, Convex Panel Seat, Flat Corner Irons on top, with Curtain Rack Price, \$ 4.25
- No. 266. Piano—22, 24, 25 and 26x50 inches, Extra Quality, with Oval Corner Irons, Swelled Panels, Convex Panel Seat, Curtain Rack Price, 5.25
- No. 267. Piano—22, 24, 25 and 26x50 inches, with our Patented Solid Concave Riser, Flat Corner Irons, Swelled Panels, Convex Panel Seat, Curtain Rack. Price 4.75

**NO. 460. ROAD WAGON BODY.**

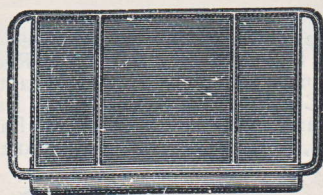
- No. 460. Road Wagon Body—25x54 inches, Convex Panel Seat. Price, \$ 4.25
- No. 461. Road Wagon Body—Same as above, but bent up extra high in front, with Spring Bar framed in for Elliptic Spring Work Price, 4.50

**NO. 462. ROAD WAGON BODY.**

- No. 462. Road Wagon Body—25x48 inches, Convex Panel Body Price, \$ 4.00
- No. 463. Road Wagon Body—Same as No. 462 with Solid Seat Riser. 25x48 inches, Convex Panel Seat Price, 4.25

**NO. 256. SPRING WAGON BODY.**

- No. 256. 2 ft. 8 in., 2 ft. 10 in. and 3 ft. x 6, 6½, 7, 7½ and 8 ft. long Price, \$ 8.25
- Extra Seat, with Risers, \$1.25.
- No. 480. Spring Wagon Body—With Patented Malleable Iron Round Corners, 2 ft. 8 in., 2 ft. 10 in. and 3 ft. x 6, 6½, 7, 7½ and 8 ft. long. Top box iron all around, Drop End-Gate with End-Gate Fastenings Price, 10.00

ADJUSTABLE LEATHER DASHES.**PRICE LIST.**

Soft Leather Dashes.

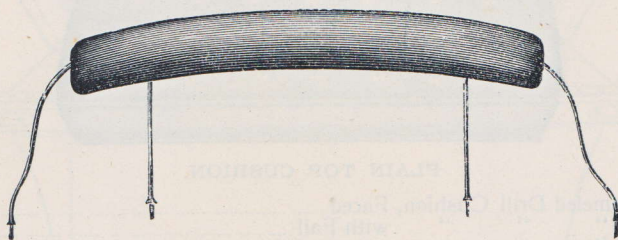
Size.	Leather Edge.	Metal Edge.	Size.	Leather Edge.	Metal Edge.	Size.	Leather Edge.	Metal Edge.
21X11	\$1.49	\$1.70	21X13	\$1.64	\$1.85	21X15	\$1.79	\$2.00
22X11	1.52	1.74	22X13	1.68	1.90	22X15	1.83	2.05
23X11	1.56	1.79	23X13	1.72	1.95	23X15	1.88	2.11
24X11	1.59	1.83	24X13	1.76	2.00	24X15	1.94	2.18
25X11	1.65	1.90	25X13	1.83	2.08	25X15	2.01	2.26
26X11	1.70	1.96	26X13	1.88	2.14	26X15	2.06	2.32
27X11	1.73	2.00	27X13	1.93	2.20	27X15	2.12	2.39
28X11	1.77	2.05	28X13	1.97	2.25	28X15	2.16	2.44
29X11	1.83	2.12	29X13	2.03	2.32	29X15	2.21	2.50
30X11	1.88	2.18	30X13	2.08	2.38	30X15	2.27	2.57
31X11	1.92	2.23	31X13	2.13	2.44	31X15	2.33	2.64
32X11	1.95	2.27	32X13	2.17	2.49	32X15	2.37	2.69
33X11	1.98	2.31	33X13	2.21	2.54	33X15	2.43	2.76
34X11	2.03	2.37	34X13	2.26	2.60	34X15	2.49	2.83
35X11	2.07	2.42	35X13	2.31	2.66	35X15	2.55	2.90
36X11	2.12	2.48	36X13	2.37	2.73	36X15	2.61	2.97
37X11	2.16	2.53	37X13	2.42	2.79	37X15	2.67	3.04
38X11	2.21	2.59	38X13	2.47	2.85	38X15	2.72	3.10
39X11	2.25	2.64	39X13	2.52	2.91	39X15	2.78	3.17
40X11	2.30	2.70	40X13	2.57	2.97	40X15	2.84	3.24
41X11	2.34	2.75	41X13	2.62	3.03	41X15	2.90	3.31
42X11	2.37	2.79	42X13	2.67	3.09	42X15	2.97	3.39

BLACKSMITHS' APRONS.

Heavy Sheepskins Each, \$1.25

LAZY BACKS.

NARROW LAZY BACKS.



No. 1.	Trimmed with Rubber Drill	.....	Each, \$1.40
" 2.	" " Corduroy	.....	" 1.40
" 3.	" " Imitation Leather	.....	" 1.75
" 4.	" " 12 oz. Broadcloth	.....	" 2.00
" 5.	" " Black or Fancy Leather	.....	" 2.50

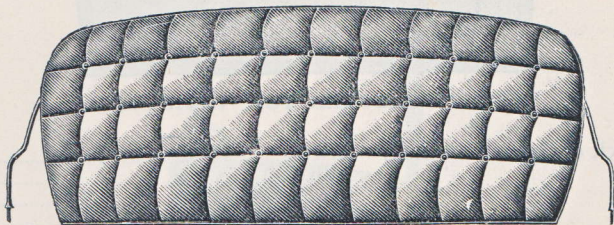
Prices include Woods and Iron.

MEDIUM LAZY BACKS.

No. 1.	Trimmed with Rubber Drill	.....	Each, \$1.75
" 2.	" " Corduroy	.....	" 1.75
" 3.	" " Imitation Leather	.....	" 2.00
" 4.	" " 12 oz. Broadcloth	.....	" 2.50
" 5.	" " Black or Fancy Leather	.....	" 2.75

Prices include the Woods and Iron.

FULL DROP BACKS.

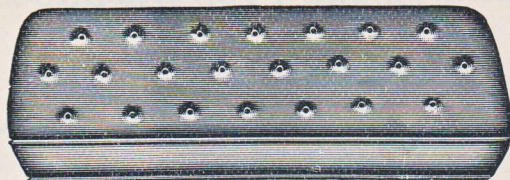


No. 1.	Enameled Muslin, plain	.....	Each, \$1.00
" 2.	" " Drill, plain	.....	" 1.40
" 3.	" " Duck, plain	.....	" 1.50
" 4.	Fancy Imitation Leather, plain	.....	" 2.00
" 5 A.	Rubber, biscuit	.....	" 3.00
" 5 B.	" plain	.....	" 1.75
" 6 A.	16 oz. Broadcloth, biscuit	.....	" 6.00
" 6 B.	" 12 oz. plain	.....	" 4.00
" 7 A.	Evans' Artificial Leather, biscuit	.....	" 4.00
" 7 B.	" " plain	.....	" 2.85
" 8 A.	Fancy Leather, biscuit	.....	" 6.00
" 8 B.	" " plain	.....	" 4.00
" 9.	Black E. S., plain	.....	" 3.00

These prices do not include Woods and Iron.

In ordering backs give exact measurement of seat from outside.

CUSHIONS.



PLAIN TOP CUSHION.

No. 1 A.	Enameled Drill Cushion, Faced.....	Each, \$1.00
" 1 AF.	" " " with Fall	" 1.10
" 1 B.	" " "	" .85
" 1 BF.	" " " with Fall	" 1.00
" 2 A.	Rubber " " Biscuit	" 2.50
" 2 AF.	" " " with Fall	" 3.00
" 2 B.	" " " Plain	" 1.10
" 2 BF.	" " " with Fall	" 1.40
" 3 A.	Corduroy " " Biscuit	" 3.00
" 3 AF.	" " " with Fall	" 3.50

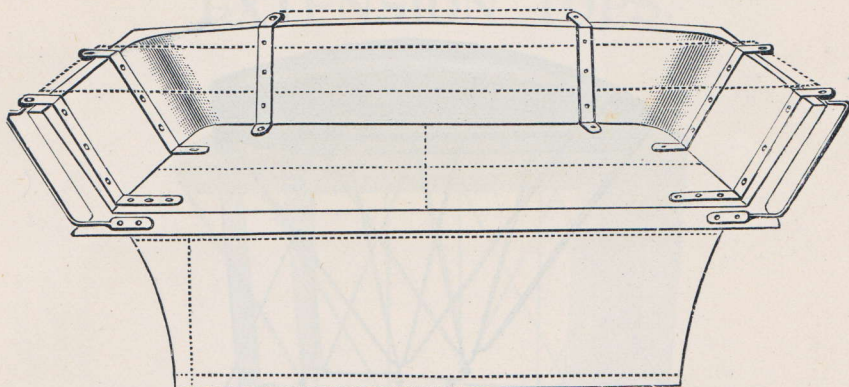


BISCUIT PATTERN TOP, WITH FALL.

No. 4 A.	Black or Green S Leather, Biscuit.....	Each, \$4.00
" 4 AF.	" " " with Fall.....	" 4.50
" 4 B.	" " " Plain	" 3.00
" 4 BF.	" " " with Fall	" 3.50
" 5 A.	Best Black or Fancy Leather, Biscuit	" 5.50
" 5 AF.	" " " with Fall.....	" 6.00
" 6 A.	16 oz. Broadcloth, Biscuit	" 5.50
" 6 AF.	" " " with Fall	" 6.00
" 6 B.	12 oz. " Plain	" 3.50
" 6 BF.	" " " with Fall.....	" 4.00
" 7 A.	Fancy Artificial Leather, Biscuit.....	" 3.50
" 7 AF.	" " " with Fall.....	" 4.00
" 7 B.	" " " Plain	" 2.50
" 7 BF.	" " " with Fall	" 2.75
" 8	" Imitation " Plain	" 1.40
" 8 F.	" " " with Fall	" 1.65

In ordering Cushions give length and width of bottom of seat inside. State whether round or square corners. Round corners will be sent when not otherwise ordered.

For Falls give length of top, length of bottom and depth.

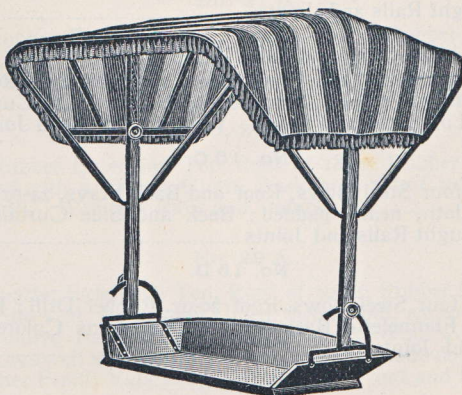
DIRECTIONS FOR MEASUREMENTS.

For Tops.—Give measurements from center to center of holes in Irons, as shown by dotted lines on top of Seat.

For Lazy Backs with Irons.—Give same measurements.

For Cushions.—Give measurements shown by lines on bottom of Seat.

For Cushions with Falls.—As shown by lines on bottom of Seat and Fall.

SUN SHADES.

No. 1.

Brown or White Duck	Each, \$4.00
Fringed	" 5.00

No. 2

Striped Awning	Each, \$5.00
Fringed	" 6.00

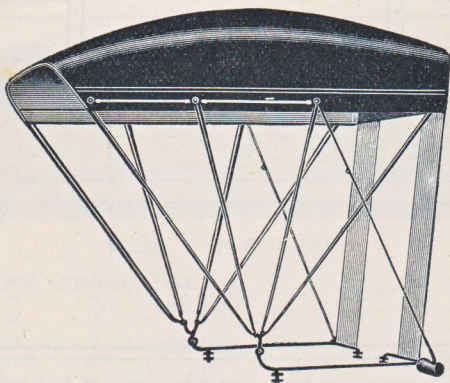
No. 3.

Enameled Drill	Each, \$4.00
Fringed	" 5.00

No. 4.

Rubber Drill	Each, \$6.00
Fringed	" 7.00

BUGGY TOPS.



No. 13.

An Unlined Rubber Top, three or four Steel Bows, Roof, Back Stays and Back Curtains of heavy colored Back Rubber Drill; Side Curtains, colored Back Enamel Drill. Wrought Rails and Joints..... Price, \$10.00

No. 15 A.

Our Best Full Rubber Top, three or four Steel Bows, Roof of 30-oz. Rubber, lined throughout with 10-oz. All-Wool Cloth, well padded, Back Stays double, showing no raw edges, well stiffened with Buckram, Valance Hand Stitched Front and Back. Wrought Rails and Joints Price, \$20.00

No. 15 B.

Full Rubber Top, three or four Steel Bows, Roof 28-oz. Rubber, Roof and Back Curtains lined with All-Wool Cloth, neatly padded; Side Curtains Colored Back Drill, Bound off Back and Front. Wrought Rails and Joints..... Price, \$16.50

No. 15 C.

Rubber Top, three or four Steel Bows, Roof and Back Stays, 24-oz. Rubber, lined with All-Wool Cloth, neatly padded; Back and Side Curtains of Colored Back Drill. Wrought Rails and Joints Price, \$13.50

No. 15 D.

Rubber Top, three or four Steel Bows, Roof 20-oz. Rubber Drill; Roof and Back Stays lined with Flannelette, Back and Side Curtains Colored Back Drill. Wrought Rails and Joints Price, \$11.00

No. 16 A.

A Leather Quarter Top, three or four Steel Bow Sockets, Roof of 30-oz. Rubber, Side Quarters and Back Stays No. 1 M. B. Leather; lined throughout, except Side Curtains, with 10-oz. All-Wool Cloth, Back Stays double, showing no raw edges; Valance Hand Stitched Front and Back, Wrought Rails and Joints.. Price, \$23.00

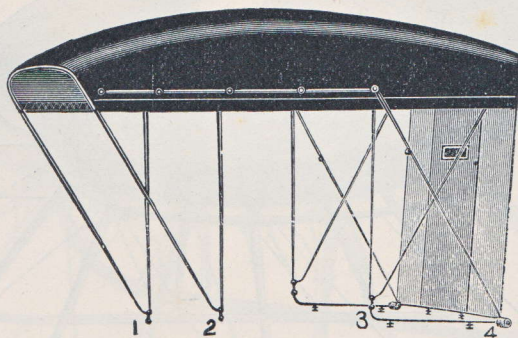
No. 16 C.

Leather Quarter Top, three or four Steel Bow Sockets, Roof 24-oz. Rubber Drill, Leather Quarter and Back Stays, Roof and Stays lined with All-Wool Cloth, Back and Side Curtains Colored Back Drill. Wrought Rails and Joints... Price, \$16.50

No. 16 D.

Leather Quarter Top, three or four Bow Sockets, Leather Side Quarters and Stays, Roof 20-oz. Rubber; Roof and Back Stays lined with Flannelette (imitation wool), Back and Side Curtains Colored Back Drill. Wrought Rails and Joints Price, \$13.50

EXTENSION TOPS.



No. 21 A.

Best Rubber Extension Top for Two Seats, Roof of 30-oz. Rubber Drill, lined throughout, except Side Curtains, with All-Wool Cloth and well padded, Back Stays double, showing no raw edges, stiffened with Buckram and lined, Hand Stitched both Front and Back, four Steel Bow Sockets. Wrought Rails and Joints Price, \$26.00

No. 21 B.

A Four Steel Bow Rubber Extension Top, Roof of 24-oz. Rubber Drill, lined with 9-oz. All-Wool Cloth, Flock Back Curtains, unlined Colored Back Drill Side Curtains. Wrought Rails and Joints Price, \$22.50

No. 21 C.

A Four Steel Bow Rubber Extension Top, Roof of 18-oz. Rubber Drill, Roof and Back Stays lined with All-Wool Cloth, Back and Side Curtains of Colored Back Enamel Drill. Wrought Rails and Joints Price, \$19.00

No. 22 A.

The Best Leather Quarter Extension Top, Roof of 30-oz. Rubber Drill, Side Quarters and Back Stays M. B. Leather, lined throughout, except Side Curtains, which are of Colored Back Rubber, with good All-Wool Cloth, Top neatly padded, Back Stays well stiffened with Buckram and made double, showing no raw edges, Leather Front, Valances Hand Stitched Front and Back. Wrought Rails and Joints Price, \$35.00

No. 22 B.

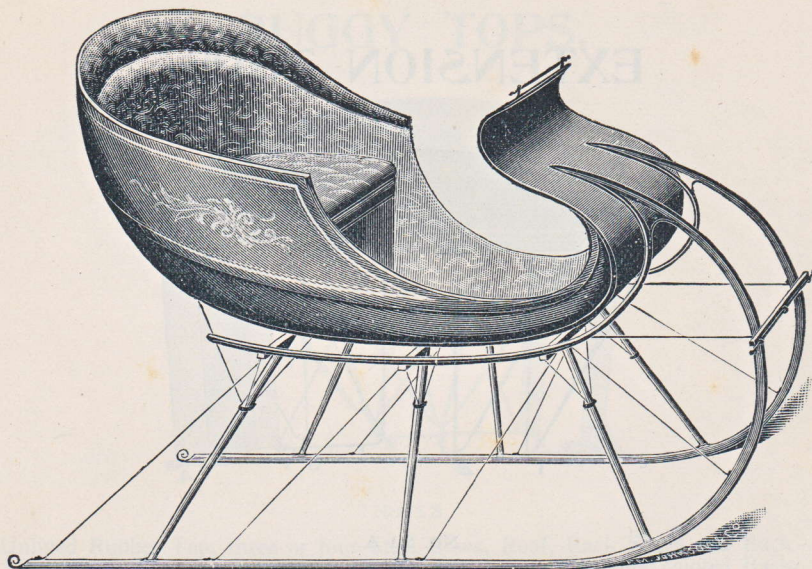
A Leather Quarter Extension Top, Roof of 26-oz. Rubber, Side Quarters and Back Stays of Leather, Back Curtains Flock Rubber, Side Curtains Colored Back Rubber. Wrought Rails and Joints Price, \$31.00

No. 22 C.

A Leather Quarter Extension Top, Roof of 24-oz. Rubber Drill, Side Quarters and Back Stays of Leather, Roof and Back Stays lined with All-Wool Cloth Lining, Back and Side Curtains of Colored Back Enameled Drill. Wrought Rails and Joints Price, \$28.00

We can furnish any article desired in the Top line on short notice.

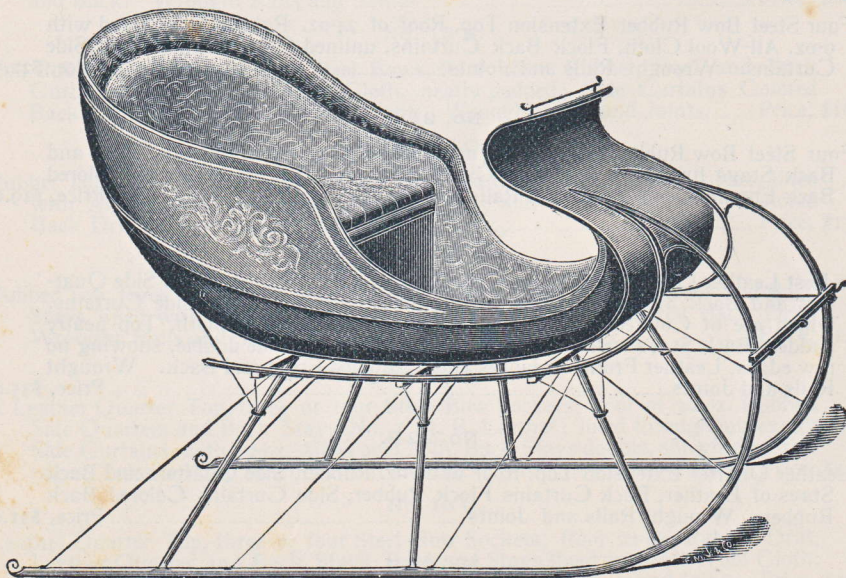
CUTTERS AND SLEIGHS.



NO. 13. SWELL BODY.

Our Standard Swell Body Cutter. Large size; high Back; strongly Ironed; Clipped Knees; Scroll Shoes at end of Runners; Fancy Nickel Line Rail; Detachable Cushion; Patent Shifting Bar. First-class material used throughout. Fully guaranteed. The best Sleigh made.

No. 13 A.	Trimmed with Figured, Plain Ruby or Green Valour.....	\$26.50
" 13 B.	" " " No. 1 Moquette, Red and Black.....	28.00
" 13 C.	" " " Crushed Silk Plush, Red or Blue, Extra Fine Painting....	29.50



NO. 14. OLD COMFORT SLEIGH.

Quality and description same as No. 13. Body is extra large; high Back; Seat very wide. Undoubtedly the roomiest Swell Body Sleigh made.

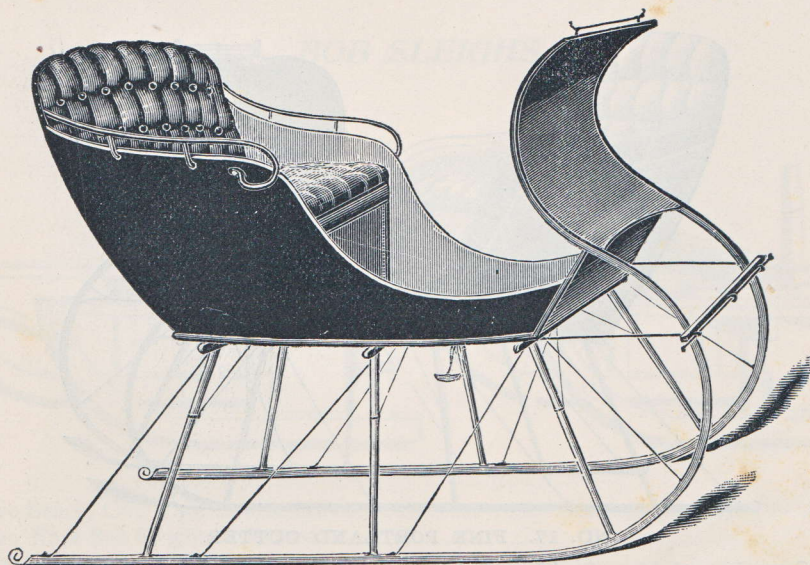
No. 14 A.	Trimmed with Figured, Plain Ruby or Green Valour.....	\$28.00
" 14 B.	" " " No. 1 Moquette, Red and Black.....	29.50
" 14 C.	" " " Crushed Silk Plush, Red or Blue, Extra Fine Painting....	31.00

Above prices include Shafts. For Pole in place of Shafts add \$3.00 each.

CUTTERS AND SLEIGHS.**NO. 114. BENT KNEE SLEIGH.**

The finest Swell Body Sleigh made. Bent Knees; Clipped; Turned-up Shoes; strongly Ironed; Shifting Bar; Fancy Nickel Line Rail; highly finished; elegantly striped; extra large size body.

No. 114. Trimmed with Fine Red Mohair Plush.....\$36.50

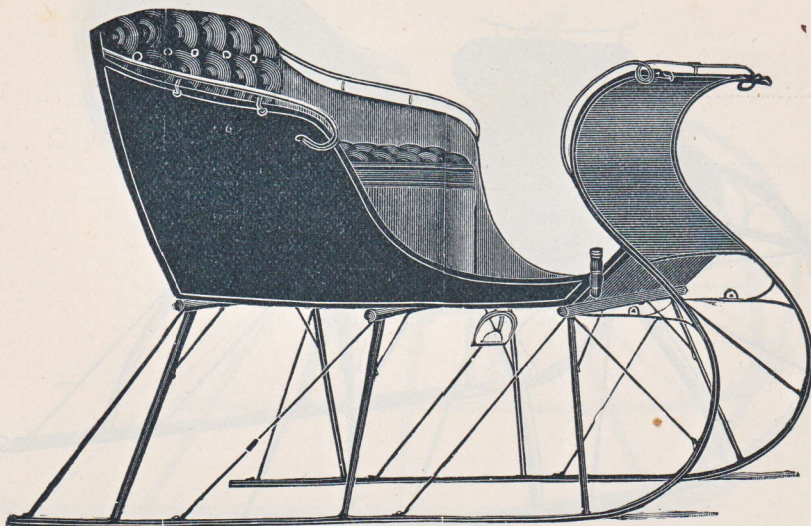
**NO. 100. PORTLAND CUTTER.**

The Best Medium-Priced Portland on the market. Good stock used throughout; Nickel Line and Arm Rails; well finished and nicely striped; Shafts with Shifting Bar.

No. 100 A. Trimmed with 12-oz. Green All-Wool Cloth.....\$30.00
 " 100 B. " " Embossed Plushette.....31.00

Above prices include Shafts. For Pole in place of Shafts add \$3.00 each.

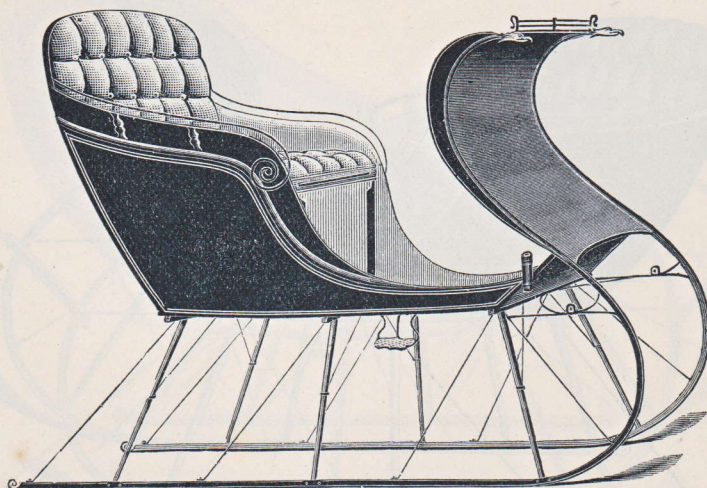
CUTTERS AND SLEIGHS.



NO. 18. PORTLAND CUTTER.

A great seller last season. High back. Well built throughout. Nicely painted—gold line stripe. Fine nickel line and arm rails. Shafts and shifting bar. A strong, desirable sleigh.

No. 18 A.	Trimmed with 14-oz. Green All-Wool Cloth.....	\$35.00
“ 18 B.	“ “ Embossed Plushette.....	35.00

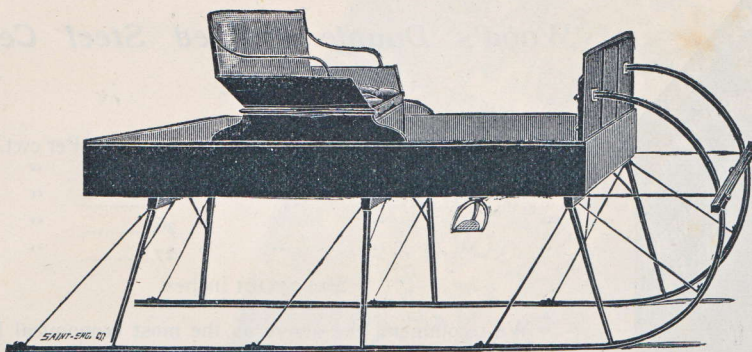


NO. 17. FINE PORTLAND CUTTER.

Cannot be equaled for a Good Grade Sleigh at a reasonable price. Sold better than any Portland of its class last year. Exclusive style body. Fancy nickel rails. Bent knees, all clipped scroll shoes. Elegantly painted, and everything about it strictly “A” grade.

No. 17 A.	Trimmed with 14-oz. Imported Broadcloth.....	\$40.00
“ 17 B.	“ “ Fine Crimson Silk Plush.....	45.00

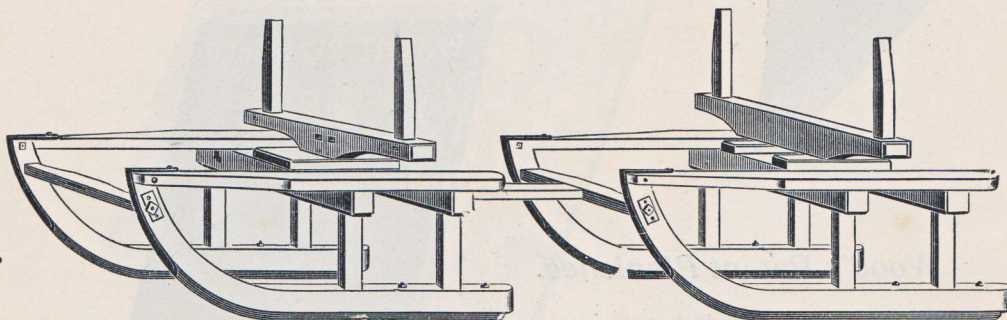
Write for prices on Two Seat Portlands or Business Cutters.



NO. 22. BUSINESS CUTTER.

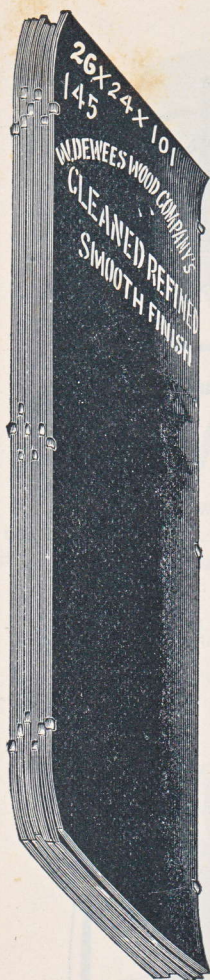
A Good Medium-Priced Sleigh. Full Back, Shifting Bar, Trimmed with Plain or Figured Valour..... \$22.00

BOB SLEIGHS.



Two Bench, Clip Knee Bob Sleighs.....	\$17.00
Two Knee Bob Sleighs, T Braced.....	19.00
Three " " " ".....	20.00
Oscillating Bob Sleighs, best made.....	20.00

The Shoes are Rights and Lefts, and beveled so as to run square when on the ground, while all other makes run on the edge, and easily sliding cause a great strain on the Runner, and in most all cases break down with a heavy load.



Wood's Double Refined Steel Center Iron.

Extra Quality, both sides smooth, No. 20.....	Per cwt., \$3.55
“ “ “ “ “ 22.....	“ 3.65
“ “ “ “ “ 24.....	“ 3.65
“ “ “ “ “ 26.....	“ 3.75
“ “ “ “ “ 27.....	“ 3.85

Size 24x101 inches.

We recommend the above as the most economical Iron to buy, as the finish, quality and the ease with which it is worked, more than counterbalances the slight advance in price over Common Sheet.

COMMON SHEET STEEL.

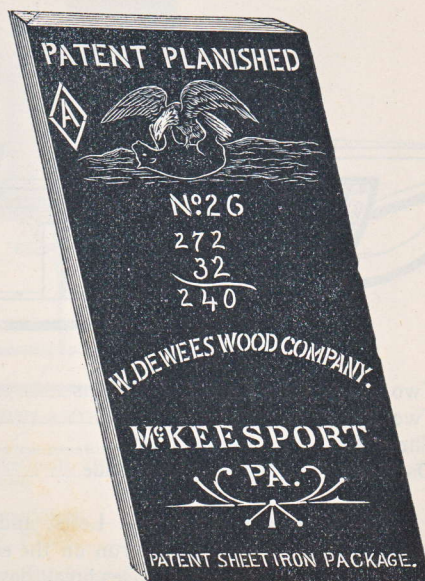
First Quality, No. 14 to 20.....	Per cwt., \$3.00
“ “ “ 22 to 24.....	“ 3.10
“ “ “ 25 to 26.....	“ 3.20
“ “ “ 27.....	“ 3.30

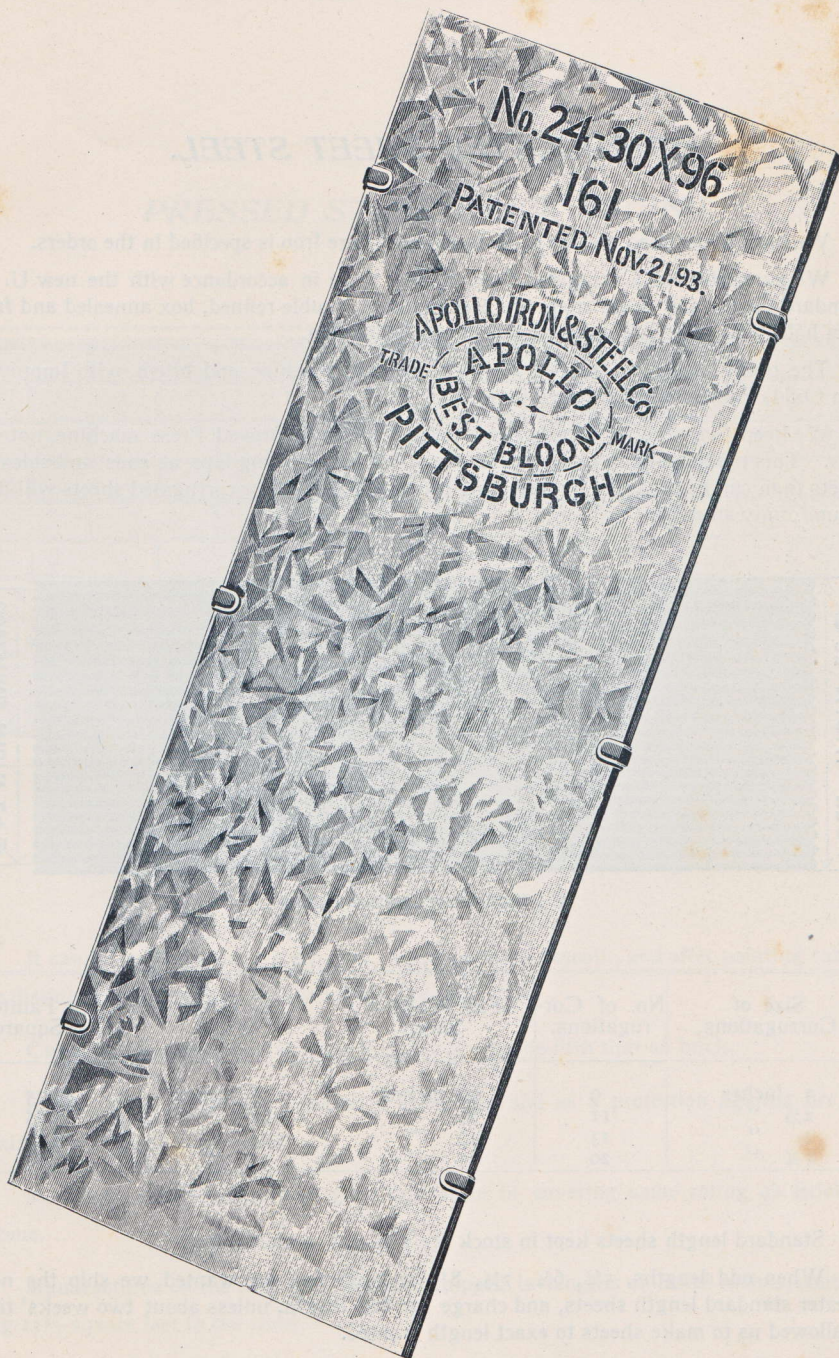
No. 14 to 22, 24x96 inches. No. 24 to 27, 24x101 inches.

Wood's Patent Planished.

Size, 28x60 inches.

A American Russia, Nos. 26 and 27,	
Per cwt.,	\$10.35
B American Russia, No. 26....	Per cwt., 9.35
Genuine Russia, No. 10.....	“ 12.50





JUNIATA GALVANIZED IRON.

Nos. 14 to 16	List, 12	Nos. 25 and 26	List, 15
" 18 and 20	" 13	No. 27	" 16
" 22 and 24	" 14	" 28	" 17

Regular stock size for all numbers is 28x96 inches, but we carry No. 24, 36x96, list .15, and No. 26, 30x96 and 36x96 inches, list .16; No. 27, 24x96 and 30x96; Nos. 16, 18 and 20, 28x101 inches long.

CORRUGATED SHEET STEEL.

We have abandoned the use of Iron, except where Iron is specified in the orders.

We guarantee our Corrugated Steel Sheets to be in accordance with the new U. S. Standard Gauge and made from the best material, double refined, box annealed and free from holes and scale, not made from common boiled iron.

The black sheets are painted on both sides, by machine and brush, with Improved Iron Oxide Paint, and guaranteed pure.

We keep five sizes of corrugations formed by an Improved Press machine, not by rolls. This produces more perfect formations and better fitting laps at ends and sides of sheets than can be produced by any other process in use. Our corrugated sheets will line up uniformly straight.



2½ Inch Corrugated Sheet.

Size of Corrugations.	No. of Corrugations.	Full Width of Sheet.	Covering Width.	Price, Painted, Per Square.
3 inches	9	26 inches	24 inches	\$3.25
2½ "	11	26 "	24 "	3.25
2 "	13	26 "	24 "	3.50
1½ "	20	25 "	24 "	3.75

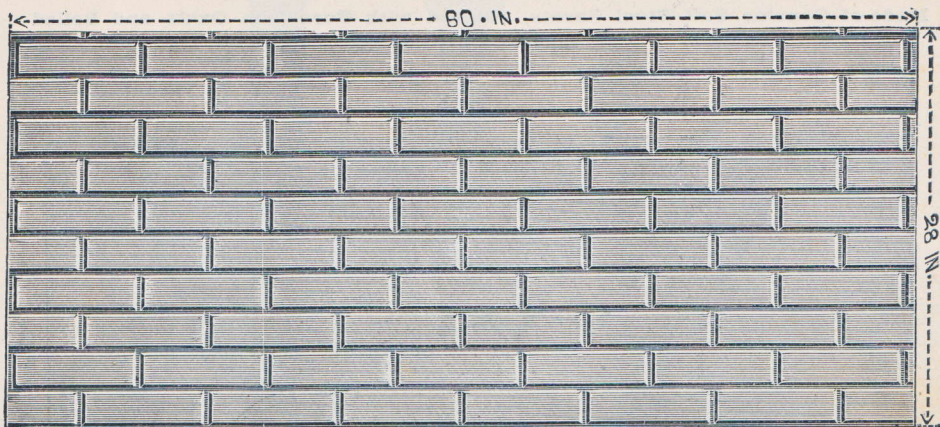
Standard length sheets kept in stock are 5, 6, 7, 8, 9 and 10 feet.

When odd lengths, 5¼, 6¾, 7½, 8⅓ and 9⅔ feet are wanted, we ship the next greater standard length sheets, and charge for full length, unless about two weeks' time is allowed us to make sheets to exact length wanted.

We always ship sheets of 8 feet lengths, of No. 28 gauge, when length and gauge wanted is not specified in the order.

Full length and width of corrugated sheets is charged for. No allowance for laps.

When ordering, state whether for Roofing or Siding, and whether Painted or Galvanized Steel Sheets are wanted.

PRESSED STEEL BRICK SIDING.

MADE OF SHEET STEEL, PAINTED.

It can be applied by any mechanic. Lays perfectly smooth, and after painting cannot be distinguished from finest Philadelphia Pressed Brick.

Costs no more than best wood siding and about one-fifth that of brick.

In beauty of appearance, durability, cheapness and as a protection against fire, we claim this Siding has no equal.

Most Insurance Underwriters give this style of covering same rating as Brick or Stone.

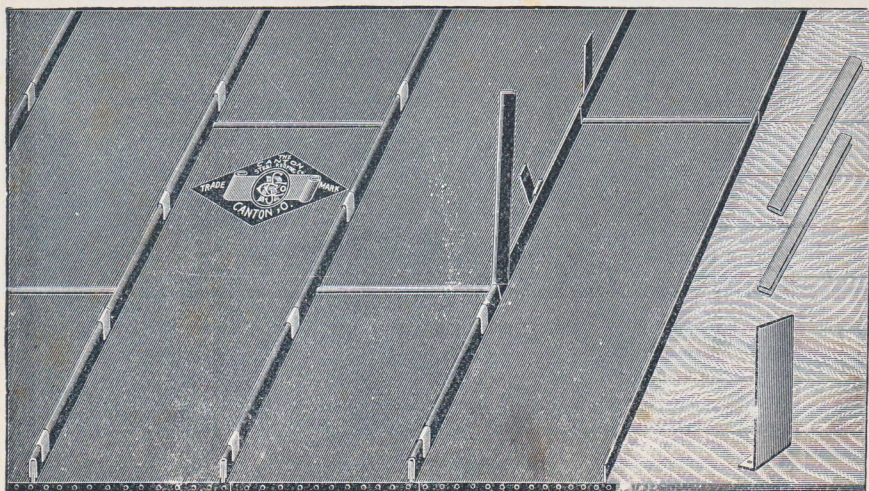
Manufactured of the best Soft Steel and shipped in lengths of 60x28 inches, containing $11\frac{2}{3}$ square feet to the sheet.

A Square of Brick Siding consists of $8\frac{1}{4}$ sheets, 60 inches long by 28 inches wide, painted both sides, and will weigh 70 pounds.

Steel Brick Siding..... Per square, \$4.00

ROLL AND CAP ROOFING.

Made of Genuine Soft Steel Sheets, Painted with Pure Iron Oxide and Boiled Linseed Oil Paint.



Roll and Cap Roofing Per square, \$3.50

Sheets Connected at ends by Double Seamed Cross-Locks.

Put up in rolls containing 100 square feet of roofing, $1\frac{1}{2}$ pounds Galvanized Cleats and 50 lineal feet of Cap, which constitutes one Square.

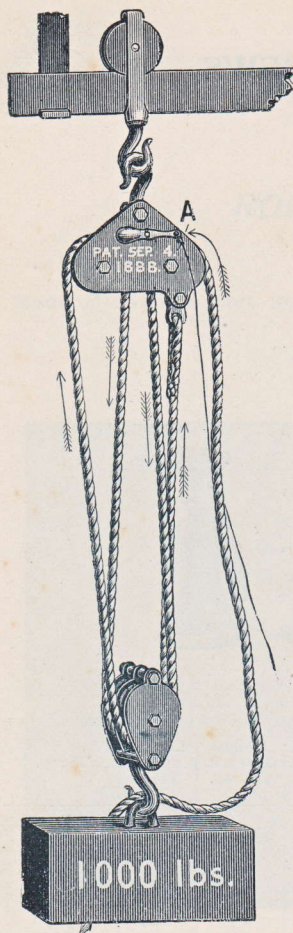
Tools for applying: 1 inch Tongs, Cap Squeezers, Shears, Hammer and Mallet.

Apply as indicated by the cut shown.

LOCOMOTIVE JACK SCREWS.



Diam. of Screw Inches.	Height of Stand. Inches.	Height Over All. Inches.	Lifting Capacity Tons.	Price.	Diam. of Screw Inches.	Height of Stand. Inches.	Height Over All. Inches.	Lifting Capacity Tons.	Price.
1 1/8	6	9	8	\$2.90	2	18	22 1/2	20	\$10.25
1 1/8	8	11	8	3.25	2	20	24 1/2	20	11.50
1 1/8	10	13	8	3.60	2	22	26 1/2	20	12.50
1 1/8	12	15	8	4.00	2	24	28 1/2	20	13.50
1 1/8	14	17	8	4.40	2 1/4	8	13	24	7.50
1 1/4	6	9	10	3.10	2 1/4	10	15	24	8.25
1 1/4	8	11	10	3.40	2 1/4	12	17	24	9.00
1 1/4	10	13	10	3.80	2 1/4	14	19	24	10.00
1 1/4	12	15	10	4.20	2 1/4	16	21	24	11.00
1 1/4	14	17	10	4.60	2 1/4	18	23	24	12.00
1 1/2	5	8	12	3.50	2 1/4	20	25	24	13.25
1 1/2	6	10	12	3.75	2 1/4	22	27	24	14.50
1 1/2	8	12	12	4.25	2 1/4	24	29	24	15.75
1 1/2	10	14	12	4.75	2 1/2	6 1/2	11	28	8.00
1 1/2	12	16	12	5.25	2 1/2	8	14	28	8.75
1 1/2	14	18	12	6.00	2 1/2	10	16	28	9.75
1 1/2	16	20	12	6.75	2 1/2	12	18	28	10.75
1 3/4	6	10	16	4.50	2 1/2	14	20	28	12.00
1 3/4	8	12	16	5.00	2 1/2	16	22	28	13.25
1 3/4	10	14	16	5.75	2 1/2	18	24	28	14.50
1 3/4	12	16	16	6.25	2 1/2	20	26	28	15.75
1 3/4	14	18	16	6.75	2 1/2	22	28	28	17.00
1 3/4	16	20	16	7.50	2 1/2	24	30	28	18.25
1 3/4	18	22	16	8.50	2 1/2	28	34	28	22.00
2	5	9 1/2	20	5.00	2 1/2	32	38	28	26.00
2	6	10 1/2	20	5.25	3	14	20	36	19.50
2	8	12 1/2	20	6.00	3	16	22	36	20.75
2	10	14 1/2	20	6.75	3	18	24	36	22.00
2	12	16 1/2	20	7.50	3	20	26	36	23.25
2	14	18 1/2	20	8.25	3	22	28	36	24.50
2	16	20 1/2	20	9.25	3	24	30	36	25.75



DETROIT SURE-GRIP STEEL TACKLE BLOCKS.

Revised Prices of the Detroit Sure-Grip Steel Tackle
Blocks, Including Lower Block.

No. 3.	To be used with $\frac{3}{8}$ inch rope. One man can lift..... 300 lbs. Capacity 600 "	\$ 3.00
No. 4.	To be used with $\frac{1}{2}$ inch rope. One man can lift..... 350 lbs. Capacity 1000 "	5.50
No. 5.	To be used with $\frac{5}{8}$ inch rope. One man can lift..... 400 lbs. Capacity 1800 "	7.00
No. 6.	To be used with $\frac{3}{4}$ inch rope. One man can lift..... 450 lbs. Capacity 2500 "	8.50
No. 4½	To be used with $\frac{1}{2}$ inch rope. One man can lift..... 600 lbs. Capacity 3000 "	10.00
No. 5½	To be used with $\frac{5}{8}$ inch rope. One man can lift..... 700 lbs. Capacity 3500 "	12.00
No. 6½	To be used with $\frac{3}{4}$ inch rope. One man can lift..... 850 lbs. Capacity 5000 "	14.00

Can supply Overhead Track, also Trolleys and
Hangers for same.

INSTRUCTIONS FOR REEVING.

Enter rope at A, pass wedge, and follow arrows as shown in cut. It will be noticed the two center ropes coming in contact with wedge always travel in same direction at same time. Take twist out of rope.

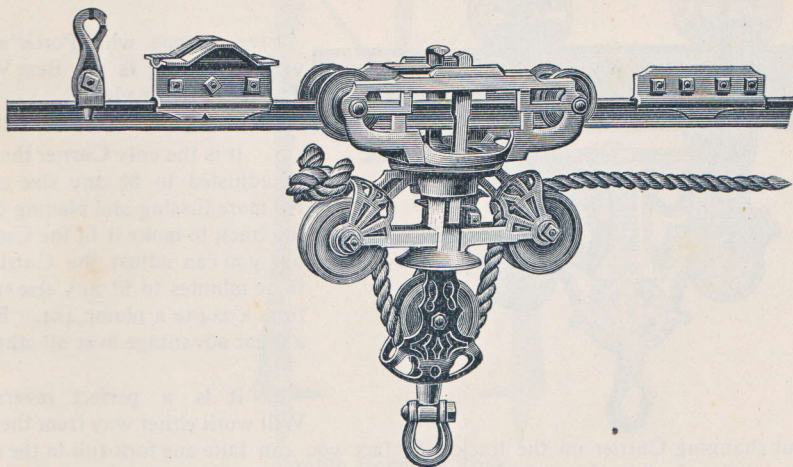
Tested by United States Standard Sealed Weights the Sure-Grip shows the following splendid record:

		Tested as Follows Without Breaking.	We Claim Only.
No. 3	Block.....	2,800 lbs.	600 lbs.
" 4	"	3,800 "	1,000 "
" 5	"	4,500 "	1,800 "
" 6	"	5,800 "	2,500 "
" 6½	"	9,000 "	4,000 "

The Brake always holds under the severest strain.

HAY TOOLS.

"TREDWAY" SOLID STEEL TRACK HAY CARRIER.



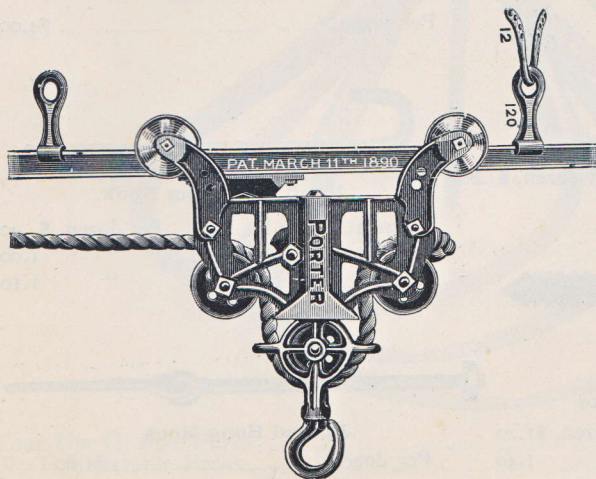
In offering the Tredway Steel Track Carrier to our friends, we do so knowing it to be a thoroughly First-Class machine in every respect. It is made of the best annealed Malleable Iron, is strong, and being simple, must be Durable. The carrier is what is known as a Combination machine, or a Swivel and Reversible both in one, and the object is to enable the dealer to supply all kinds of trade and carry only one stock of goods, as it covers the entire field. It is constructed with straight flanged wheels Bored on a Lathe so as to run true, which revolve on a $\frac{3}{4}$ inch turned steel axle.

THE LOCK.—The Lock is composed of two malleable pieces with No Springs, and is a positive Force Lock, cannot get out of order. Stop is clamped to Top of Track and can be adjusted to any point desired. All rope wheels revolve on large bushings.

THE HANGING HOOK is Malleable Iron, composed of two parts; can be put on or taken off at any point along the track. By means of this hook our single rail track can be put up in one-half the time required in putting up any other track. The Track is a solid steel beam 2 1-16 inch wide by 1 1/4 inch deep, with no holes, all pieces being exact duplicates. The splice is made by means of a malleable iron clamp, held in place by four bolts and can be applied to any two pieces of the rail, and makes a splice as strong as any other part of the rail.

Tredway's Steel Track Carrier.....	Each, \$7.50
Steel Track for Tredway Carrier.....	Per foot, .20
Hang Hooks.....	Per dozen, .00

PORTER'S NEW RAILROAD STEEL TRACK CARRIER AND FIXTURES.



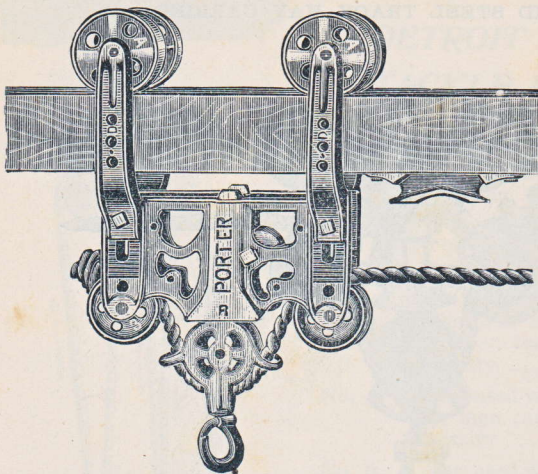
The Porter Solid Steel Track and the Porter Steel Track Hay Carrier are the best because:

1. The track is solid, no need of clamps or rivets to hold it together.
2. The farmer can place it in position, thus saving a large part of the expense on other kinds.
3. It will bear more strain without bending than other tracks will.
4. The Carrier is of Malleable Iron, strong and well put together, and works perfectly every time. It has solid axles that cannot either break or wear out.
5. It cannot run off the track.

Porter's Steel Track Carrier	Each, \$7.50
Steel Track for Porter Carrier.....	Per foot, .20
No. 120 Hang Hooks for Porter's Steel Track Carrier	Per dozen, 1.00

Porter's Wood Track Reversible and Adjustable Carrier.

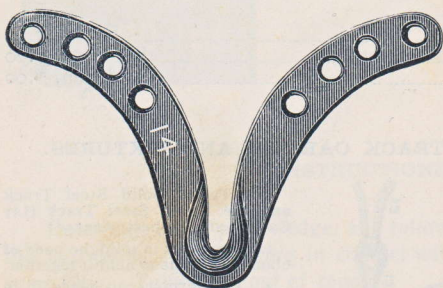
Can be Adjusted to Any Size Track. Light, Strong and Durable.



Five reasons why Porter's Reversible Carrier Is the Best Wood Track Carrier made:

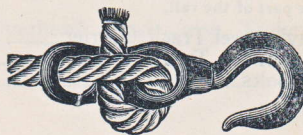
1. It is the only Carrier that can be adjusted to fit any size track. No more fussing and planing down the track to make it fit the Carrier, but you can adjust the Carrier in three minutes to fit any size track, from a 2x4 to a plump 4x4. Being a great advantage over all others.
2. It is a perfect reversible. Will work either way from the stop without changing Carrier on the track. In fact you can take one fork full to the right and the next to the left, if you wish, by using the endless draft rope.
3. The Trip Pulley that the fork hangs in has a patent lock, as shown in cut, which makes it impossible for the fork to jump out of the hook, as it does in the old style hooks.
4. It is made of Malleable Iron and is very simple in construction. It has no springs to get out of repair. Anybody can handle it.
5. It is run on four large wheels, either plain or flanged as ordered.

Porter's Wood Track Carrier Each, \$6.50



No. 12 Rafter Iron.

Malleable Iron..... Per dozen, \$.80



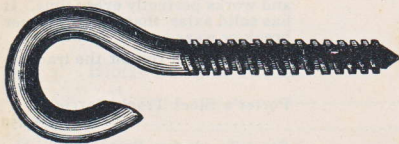
Swivel Rope Hitch.

Per dozen \$4.00



No. 6 Stiff Hang Hook.

12 inch.....	Per dozen, \$.90
14 ".....	" 1.00
16 ".....	" 1.10



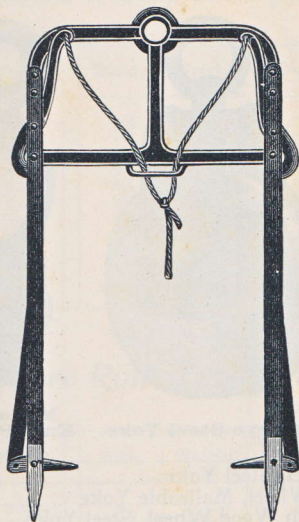
Wrought Floor Hooks.

$\frac{5}{8}$ in. Diameter.....	Per dozen, \$1.20
$\frac{3}{4}$ in. ".....	" 1.40



Jointed Hang Hook.

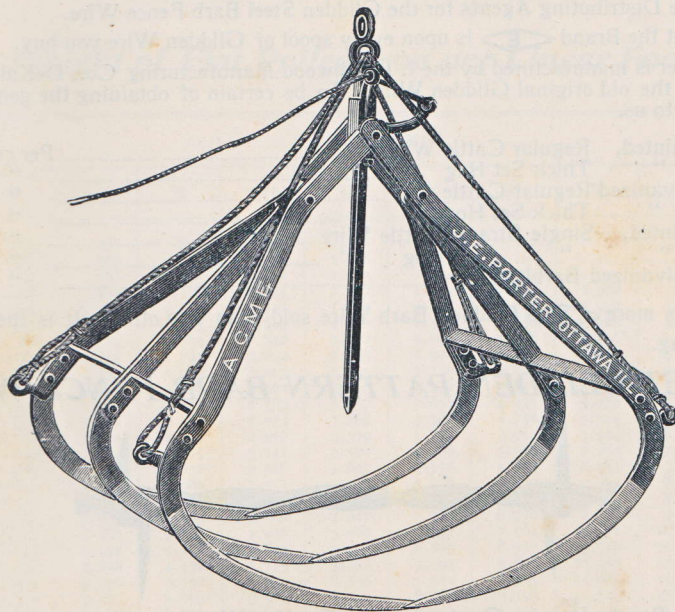
Per dozen..... \$1.80

STEEL DOUBLE HARPOON FORKS.

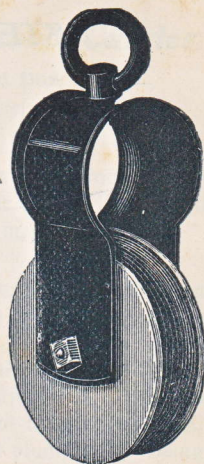
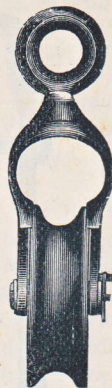
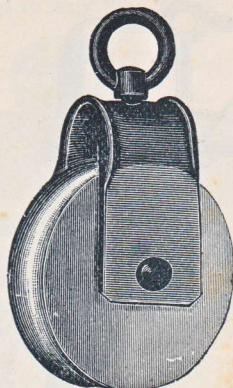
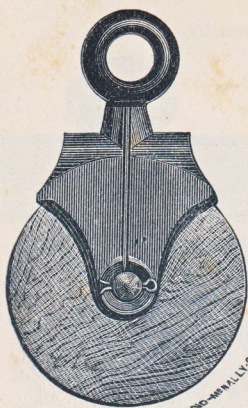
Double Harpoon Fork.

Simple, strong, durable and convenient, and has no exposed parts to be injured by contact with beams, etc. It penetrates the hay easily, and compresses it from top to bottom, thus adapting it especially to the handling of fine, short or brittle hay. With it the hay is separated from the load with considerable less power, and is much more easily placed in the mow than any other fork.

Long or Short Head Each, \$1.80

GRAPPLE HAY FORKS.


Four-Tine Grapple Forks Each, \$7.00
 Six-Tine Grapple Forks " 8.00

HAY FORK PULLEYS.

6 Inch Wood Wheel. Hawkeye Steel Yoke.	Malleable Knot Passing.	Hawkeye Knot Passing.
Wood Wheel, 6 inch		Per dozen, \$3.50
Hawkeye, 6 inch Wood Wheel, Steel Yoke		" 4.00
Knot Passing, 6 inch Wood Wheel, Malleable Yoke		" 4.00
Hawkeye Knot Passing, 6 inch Wood Wheel, Steel Yoke		" 4.50


GENUINE GLIDDEN BARB WIRE.

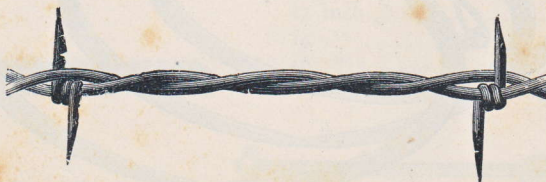
We are Distributing Agents for the Glidden Steel Barb Fence Wire.

See that the Brand  is upon every spool of Glidden Wire you buy.

No other is manufactured by the I. L. Ellwood Manufacturing Co., DeKalb, Ill., and no other is the old original Glidden Wire. To be certain of obtaining the genuine, send your orders to us.

Glidden, Painted, Regular Cattle Wire	Per cwt., \$	2.50
" " Thick Set Hog	"	2.50
" Galvanized Regular Cattle	"	2.90
" " Thick Set Hog	"	2.90
" Painted, Single Strand Cattle Wire	"	2.40
" " Hog	"	2.40
" Galvanized Barbless Wire	"	2.90

There is more  Glidden Barb Wire sold than any other. It is the Standard Barb Fencing.

JOLIET GLIDDEN PATTERN BARB FENCE WIRE.

Painted, 2 Point, Regular Cattle, or Thick Set Hog Wire	Per cwt., \$	2.50
Galvanized, 2 Point, " " " " " "	"	2.90
Joliet Twisted Galvanized Barbless Wire	"	2.90

Weight of Round Rolled Iron per Linear Foot.

Diam.	Weight.	Diam.	Weight.	Diam.	Weight.	Diam.	Weight.	Diam.	Weight.
1-16	.010	13-16	1.752	1 1/8	7.010	3 1/4	25.926	4 3/4	56.788
1/8	.041	7/8	2.032	1 3/4	8.128	3 1/2	28.040	4 3/4	59.900
3-16	.094	15-16	2.333	1 7/8	9.333	3 3/4	30.240	4 3/4	63.094
1/4	.105	1	2.654	2	10.616	3 1/2	32.512	5	66.752
5-16	.261	1 1-16	2.997	2 1/8	11.988	3 3/4	34.886	5 1/8	69.731
3/8	.373	1 1/8	3.360	2 1/4	13.440	3 3/4	37.332	5 1/4	73.172
7-16	.508	1 3-16	3.744	2 3/8	14.975	3 3/4	39.864	5 3/8	76.700
1/2	.663	1 1/4	4.172	2 1/2	16.688	4	42.464	5 1/2	80.304
9-16	.840	1 5-16	4.573	2 5/8	18.293	4 1/8	45.174	5 5/8	84.001
5/8	1.043	1 3/8	5.019	2 3/4	20.076	4 1/4	47.952	5 3/4	87.776
11-16	1.255	1 7-16	5.486	2 7/8	21.944	4 3/8	50.815	5 7/8	91.634
3/4	1.493	1 1/2	5.972	3	23.888	4 1/2	53.760	6	95.552

Weight of Square Rolled Iron per Linear Foot.

Size.	Weight.	Size.	Weight.	Size.	Weight.	Size.	Weight.	Size.	Weight.
1-16	.013	13-16	2.231	2	13.520	3 3/8	38.503	4 3/4	76.264
1/8	.053	7/8	2.588	2 1/8	15.263	3 1/2	41.408	4 3/4	80.333
3-16	.119	15-16	2.971	2 1/4	17.112	3 3/4	44.418	5	84.480
1/4	.211	1	3.380	2 3/8	19.066	3 3/4	47.534	5 1/8	88.784
5-16	.330	1 1-16	3.816	2 1/2	21.120	3 3/4	50.756	5 1/4	93.168
3/8	.475	1 1/8	4.278	2 5/8	23.292	4	54.084	5 1/2	97.657
7-16	.647	1 1/4	5.280	2 3/4	25.560	4 1/8	57.517	5 1/2	102.240
1/2	.845	1 3/8	6.390	2 7/8	27.939	4 1/4	61.055	5 3/4	106.953
9-16	1.069	1 5-16	7.604	3	30.416	4 3/8	64.700	5 3/4	111.756
5/8	1.320	1 3/8	8.926	3 1/8	33.010	4 3/8	68.448	5 7/8	116.671
11-16	1.597	1 7-16	10.352	3 1/4	35.704	4 3/8	72.305	6	121.664
3/4	1.901	1 1/2	11.883						

A cubic inch of wrought iron weighs..... .2817 lb.
A cubic inch of cast iron weighs..... .2607 lb.

Weight of Flat Rolled Iron per Linear Foot.

WIDTH.	THICKNESS.									
	1/4	5-16	3/8	7-16	1/2	5/8	3/4	7/8	1	1 1/4
1/4	.422	.528	.634	.738	.845					
3/8	.528	.660	.792	.923	1.056	1.320				
1/2	.633	.792	.950	1.108	1.265	1.584	1.901			
3/4	.738	.923	1.108	1.294	1.477	1.840	2.217	2.588		
1	.845	1.056	1.267	1.478	1.690	2.112	2.534	2.956	3.380	
1 1/4	.950	1.187	1.425	1.663	1.901	2.375	2.850	3.326	3.802	4.752
1 3/4	1.056	1.320	1.584	1.848	2.112	2.640	3.168	3.696	4.224	5.280
2	1.161	1.452	1.742	2.032	2.325	2.904	3.484	4.065	4.646	5.808
2 1/4	1.266	1.584	1.900	2.217	2.535	3.168	3.802	4.435	5.069	6.337
2 1/2	1.372	1.716	2.059	2.402	2.746	3.432	4.119	4.805	5.492	6.864
2 3/4	1.477	1.848	2.218	2.589	2.957	3.696	4.435	5.178	5.914	7.393
3	1.584	1.980	2.376	2.772	3.168	3.960	4.752	5.544	6.336	7.921
3 1/4	1.689	2.112	2.534	2.957	3.379	4.224	5.069	5.914	6.758	8.448
3 1/2	1.795	2.244	2.693	3.141	3.591	4.488	5.386	6.283	7.181	8.977
3 3/4	1.900	2.376	2.851	3.326	3.802	4.752	5.703	6.653	7.604	9.505
4	2.006	2.508	3.009	3.511	4.013	5.016	6.019	7.022	8.025	10.032
4 1/4	2.112	2.640	3.168	3.696	4.224	5.280	6.336	7.392	8.448	10.560
4 1/2	2.233	2.904	3.485	4.066	4.647	5.808	6.970	8.132	9.294	11.617
4 3/4	2.355	3.168	3.802	4.435	5.069	6.337	7.604	8.871	10.138	12.673
5	2.746	3.432	4.119	4.805	5.492	6.865	8.237	9.610	10.983	13.730
5 1/4	2.957	3.696	4.436	5.175	5.914	7.393	8.871	10.350	11.828	14.785
5 1/2	3.168	3.990	4.752	5.544	6.336	7.921	9.505	11.089	12.673	15.841
5 3/4	3.380	4.224	5.069	5.914	6.759	8.448	10.138	11.828	13.518	16.897
6	3.802	4.752	5.703	6.653	7.604	9.504	11.406	13.306	15.208	19.010
	4.224	5.280	6.330	7.392	8.449	10.560	12.673	14.784	16.897	21.122
	4.647	5.808	6.970	8.132	9.294	11.616	13.940	16.264	18.587	23.234
	5.070	6.337	7.604	8.871	10.138	12.674	15.208	17.742	20.276	25.346

